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| Laboratory | Intertek India Pvt. Ltd. (Food Services), Plot No. D-53, IDA Phase-I, Jeedimetla, Hyderabad, Telangana | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|

I. FOOD AND AGRICULTURE PRODUCTS

| | | | | |
|-----------|-------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------|------------------|
| 1. | Milk and Milk Products | Moisture | IS 16072: 2012 / AOAC 927.0 (19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Total Solids | IS 16072: 2012 | 0.1 % to 99.0 % |
| | | Fat | IS 11721: 2005/ ISO 1736: 2000/ AOAC 932.06 (19 th Edition):2012 | 0.1 % to 30.0 % |
| | | Milk Fat | IS 11721: 2005/ ISO 1736: 2000 / AOAC 932.06 (19 th Edition):2012 | 0.1 % to 5.0 % |
| | | Insolubility Index | IS 12759: 1989 (RA 1999)/ ISO 8156: 1987 (RA 1999) | 0.1 ml to 5.0 ml |
| | | Total Ash (on Dry Basis) | IS 1165: 2002 Annexure A/ IS 14433 (Part 1): 2007 Annexure B AOAC 930.30 (19 th Edition):2012 | 0.1 % to 10.0 % |
| | | Titrateable Acidity (Lactic Acid) | IS 1165: 2002/ IS 11766: 1986 (RA 2003)/ AOAC 947.05 (19 th Edition): 2012 | 0.05 % to 5.0 % |
| | | SNF | IS 16072: 2012 / DGHS Manual 1 2005 Method No. 10.6 | 0.05 % to 99.0 % |
| | | Protein | IS 7219: 1973 / AOAC 991.20 (19 th Edition): 2012 | 0.5 % to 25.0 % |

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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Milk and Milk Products | Aflatoxin M1 | MI010-00 Issue Date 22/11/2014 | 0.5 µg/kg to 10 µg/kg |
| | | Melamine | MI003-00 Issue Date 22/11/2014 | 1 µg/kg to 50 µg/kg |
| | | Pesticide Residues | | |
| | | Ethion | MI008-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Diazinon | | 10 µg/kg to 100 µg/kg |
| | | Malathion | | 10 µg/kg to 100 µg/kg |
| | | Phosalone | | 10 µg/kg to 100 µg/kg |
| | | Monocrotophos | | 10 µg/kg to 100 µg/kg |
| | | Paraquat Dichloride | | 10 µg/kg to 100 µg/kg |
| | | Trichlorfon | | 10 µg/kg to 100 µg/kg |
| | | Carbendazim & Benomyl | | 10 µg/kg to 100 µg/kg |
| | | Carbofuran | | 10 µg/kg to 100 µg/kg |
| | | Phenthoate | | 10 µg/kg to 100 µg/kg |
| | | Phorate | | 10 µg/kg to 100 µg/kg |
| | | Pirimphos Methyl | | 10 µg/kg to 100 µg/kg |
| | | Edifenphos | | 10 µg/kg to 100 µg/kg |
| | | Fenthion | | 10 µg/kg to 100 µg/kg |

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|-------|-------------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Milk and Milk Products | 2,4 – D | MI008-01 Method No. 1B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Aldrin | MI008-01 Method No.1C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Heptachlor | | 10 µg/kg to 100 µg/kg |
| | | Lindane | | 10 µg/kg to 100 µg/kg |
| | | Endosulfan | | 10 µg/kg to 100 µg/kg |
| | | Chlordane | | 10 µg/kg to 100 µg/kg |
| | | Dieldrin | | 10 µg/kg to 100 µg/kg |
| | | Methoxychlor | | 10 µg/kg to 100 µg/kg |
| | | Dichlorvos | | 10 µg/kg to 100 µg/kg |
| | | Methyl Parathion | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100 µg/kg |

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|-------|-----------------------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Milk and Milk Products | Fenitrothion | MI008-01 Method No.1C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Alpha-HCH | | 10 µg/kg to 100 µg/kg |
| | | Beta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Delta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Chlorfenvinphos | | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100 µg/kg |
| | | Fenvelerate | | 10 µg/kg to 100 µg/kg |
| | Antibiotic | | | |
| | | Chloramphenicol | MI005-01 Method No. 1 Issue Date 22/11/2014 | 0.2 µg/kg to 10 µg/kg |
| | | Metronidazole | MI005-01 Method No. 5 Issue Date 22/11/2014 | 1 µg/kg to 20 µg/kg |
| | Nitrofuron & its metabolites | | | |
| | | AOZ | MI005-01 Method No. 4 Issue Date 22/11/2014 | 1 µg/kg to 20 µg/kg |
| | | AMOZ | | 1 µg/kg to 20 µg/kg |
| | | AHD | | 1 µg/kg to 20 µg/kg |
| | | SEM | | 1 µg/kg to 20 µg/kg |

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|--------------|-----------------------------------|----------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Milk and Milk Products | Naturally Occurring Toxins | | |
| | | Agaric Acid | MI047-00 Issue Date 22/11/2014 | 50 mg/kg to 500 mg/kg |
| | | Hypericin | | 0.5 mg/kg to 5 mg/kg |
| | | Saffrole | | 0.5 mg/kg to 10 mg/kg |
| | | Hydrocyanic Acid | AOAC 920.144 (19 th Edition): 2012 | 3 mg/kg to 15 mg/kg |
| | | Adulterants & Preservatives | | |
| | | Sugar | DGHS Manual 1 2005 Method No. 1.2 | Qualitative (Present/Absent) |
| | | Starch | | Qualitative (Present/Absent) |
| | | Cellulose | | Qualitative (Present/Absent) |
| | | Added Urea | | Qualitative (Present/Absent) |
| | | Ammonium Compounds | | Qualitative (Present/Absent) |
| | | Added Glucose | | Qualitative (Present/Absent) |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|-------------------------------|-------------------------------|-------------------------------------------------------------|----------------------------------------|
| | Milk and Milk Products | Salt | DGHS Manual 1 2005 Method No. 1.2 | Qualitative (Present/Absent) |
| | | Saccharin | | Qualitative (Present/Absent) |
| | | Dulcin | | Qualitative (Present/Absent) |
| | | Foreign Fat | | Qualitative (Present/Absent) |
| | | Nitrates | | Qualitative (Present/Absent) |
| | | Neutralizers (Carbonates) | | Qualitative (Present/Absent) |
| | | Hypochlorites and Chloramines | | Qualitative (Present/Absent) |
| | | Quaternary Ammonium Compounds | | Qualitative (Present/Absent) |
| | | Detergents | | Qualitative (Present/Absent) |
| | | Skimmed Milk Powder | | Qualitative (Present/Absent) |
| | Gelatin | | Qualitative (Present/Absent) | |

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|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Milk and Milk Products | Formalin | DGHS Manual 1 2005 Method No. 1.2 | Qualitative (Present/Absent) |
| | | Hydrogen Peroxide | | Qualitative (Present/Absent) |
| | | Boric acid & Borates | | Qualitative (Present/Absent) |
| | | Salicylic Acid | | Qualitative (Present/Absent) |
| | Metal Contaminants | | | |
| | | Lead | IS 12074: 1987 (RA 1998) / AOAC 999.11 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1mg/kg to 5 mg/kg |
| | | Arsenic | IS 11124: 1984 (RA 2003)/ AOAC 986.15 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1mg/kg to 5 mg/kg |
| | | Tin | IS 2860: 1964 (RA 2005) Clause 17/ AOAC 980.19 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1mg/kg to 5 mg/kg |
| | | Cadmium | IS 1699: 1995 Clause 15/ AOAC 999.11 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1mg/kg to 5 mg/kg |

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|--------------|----------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Milk and Milk Products | Mercury | AOAC 971.21 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1mg/kg to 5 mg/kg |
| | | Copper | IS 1699 Clause 15 / AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1mg/kg to 5 mg/kg |
| | | Zinc | IS 1699 Clause 15 / AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1mg/kg to 5 mg/kg |
| i) | Infant Milk Substitutes, Infant Milk Substitutes-Milk Protein Based | Moisture | IS 11623: 1986 (RA 2003) / AOAC 927.05 (19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Total Milk Protein | IS 7219: 1973 (RA 2005)/ AOAC 991.20 (19 th Edition): 2012 | 0.5 % to 25.0 % |
| | | Milk Fat | IS 11721: 2005 / ISO 1736: 2000 / AOAC 932.06 (19 th Edition): 2012 | 0.1 % to 30.0 % |
| | | Total Ash | IS 14433: 2007 Annexure B / AOAC 930.30 (19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Acid Insoluble Ash | IS 14433: 2007 Annexure C / IS 6287: 1985 | 0.1 % to 1.0 % |
| | | Vitamin A(as Retinol) | AOAC 2001.13 (19 th Edition): 2012 | 1.0 IU to 10000 IU /100 g |

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|--------------|----------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Infant Milk Substitutes, Infant Milk Substitutes-Milk Protein Based | Iron | IS 14433 (Part 1): 2007 / AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Heavy Metals | | |
| | | Lead | IS 12074: 1987 (RA 1998) / AOAC 999.11 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Arsenic | IS 11124: 1984 (RA 2003)/ AOAC 986.15 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Tin | IS 2860: 1964 (RA 2005)/ AOAC 980.19 (19 th Edition): 2012 /Clause 17/ MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Cadmium | IS 1699: 1995 (RA 2005) Clause 15/ AOAC 999.11 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Mercury | AOAC 971.21 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Vitamin C | IS 5838: 1970 (RA 2005) / AOAC 985.33 (19 th Edition): 2012 | 2 mg/100 g to 1000 mg/100 g |

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|--------------|----------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Infant Milk Substitutes, Infant Milk Substitutes-Milk Protein Based | Calcium | IS 5949: 1990 (RA 2003)/ AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Phosphorus | IS 12756: 1989/ AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Copper | IS 1699 Clause 15/ AOAC 984.27 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Manganese | IS 3025 Clause 35/ AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Zinc | IS 1699 Clause 15/ AOAC 984.27 (19 th Edition): 2012/ MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Sodium | IS 12760 / AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Potassium | IS 12760 / AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |

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|--------------|----------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Infant Milk Substitutes, Infant Milk Substitutes-Milk Protein Based | Chloride | IS 11763: 2005 (RA 2010)/ ISO 5943: 2004 | 25 mg/100 g to 1000 mg/100 g |
| | | Magnesium | IS 5949: 1990 (RA 2003) / AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Selenium | IS 3025 (Part 56) / IS 15303/ AOAC 986.15 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Vitamin E (Alpha- Tocopherol) | MI032-00 Issue Date 22/11/2014 | 50 µg/kg to 5000 µg/kg |
| | | Linoleic Acid | AOAC 992.25 (19 th Edition): 2012 | 0.1 % to 20 % |
| ii) | Milk Cereal Based Complementary Foods | Moisture | IS 11623: 2008 / AOAC 927.05 (19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Total Protein | IS 7219: 1973 (RA 2010) | 0.5 % to 25.0 % |
| | | Fat | IS 1656: 2007 Annexure B / AOAC 932.06 (19 th Edition): 2012 | 0.1 % to 30.0 % |
| | | Total carbohydrates | IS 1656: 2007 Annexure C | 0.5 % to 80 % |
| | | Total ash | AOAC 930.30 (19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Acid insoluble ash | IS 14433 Annexure C / IS 6287: 1985 | 0.1 % to 1.0 % |

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|--------------|----------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Milk Cereal Based Complementary Foods | Vitamin A (as Retinol Palmitate) | AOAC 2001.13 (19 th Edition): 2012 | 10 IU/100 g to 10000 IU/100 g |
| | | Vitamin –C (Ascorbic acid) | IS 5838: 1970 (RA 2005)/ AOAC 985.32 (19 th Edition): 2012 | 2.0 mg/100 g to 1000 mg/ 100g |
| | | Iron | IS 14433 Annexure D/ AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Crude fibre (on dry basis) | IS 10226 (Part 1): 1982 (RA 2005) /ISO 5498: 1981 | 0.1 % to 2.0 % |
| | | Zinc | IS 1699: 1995 Clause 15/ AOAC 984.27 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Copper | IS 1699: 1995 Clause 15/ AOAC 984.27 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Heavy Metals | | |
| | | Lead | IS 12074: 1987/ AOAC 999.11 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Arsenic | IS 11124: 1984 / AOAC 986.15 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |

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|--------------|----------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Milk Cereal Based Complementary Foods | Tin | IS 2860 / AOAC 980.19 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Cadmium | IS 1699 Clause 15/ AOAC 999.11 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Mercury | AOAC 971.21 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| 2. | Bakery & Confectionery Products | | | |
| i) | Biscuits | Moisture | IS 1011: 2002 (RA 2009) Annexure B / AOAC 925.10(19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Acid Insoluble Ash (on Dry Basis) | IS 1011: 2002 (RA 2009) Annexure C | 0.1 % to 2.0 % |
| | | Acidity Extracted Fat (as Oleic Acid) | IS 1011: 2002 (RA 2009) Annexure D | 0.05 % to 5.0 % |
| ii) | Sugar Boiled Confectionary | Sulphated Ash | IS 6287: 1985 (RA 1999) Clause 5 | 0.1 % to 5.0 % |
| | | Acid Insoluble Ash | IS 6287: 1985 (RA 1999) Clause 6 | 0.1 % to 1.0 % |

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|--------------|-----------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Sugar Boiled Confectionary | Sulphur Dioxide | IS 6287: 1985 (RA 1999) Clause 12/ AOAC 990.28 (19 th Edition): 2012 | 2 mg/kg to 500 mg/kg |
| | | Arsenic | IS 6287: 1985 (RA 1999) Clause 13/ AOAC 986.15 (19 th Edition): 2012/ MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Lead | IS 6287: 1985 (RA 1999) Clause 14/ AOAC 999.11 (19 th Edition): 2012/ MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Copper | IS 6287: 1985 (RA 1999) Clause 15/ AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Zinc | IS 6287: 1985 (RA 1999) Clause 16 / AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Tin | IS 6287: 1985 (RA 1999) Clause 17/ AOAC 980.19 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |

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|--------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------|
| iii) | Food Grains, Cereals, Pulses & their products Food Grains, Cereals, Pulses & their products | Moisture | IS 4333 (Part 2): 2002/ ISO 712 : 1998 | 0.1 % to 25.0 % |
| | | Total Protein | IS 7219: 1973 (RA 2005)/ AOAC 920.87 (19 th Edition): 2012 | 0.5 % to 30.0 % |
| | | Total Carbohydrates (By Difference) | AOAC 986.25 (19 th Edition): 2012 | 50 % to 100% |
| | | Total Ash | IS 1155: 1968 (RA 2005) Appendix B AOAC 923.03 (19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Ash Insoluble in Dilute Hydrochloric Acid | IS 1155: 1968 (RA 2005) Appendix C | 0.1 % to 3.0 % |
| | | Iron | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Vitamin A (as Retinol Palmitate) | AOAC 2001.13 (19 th Edition):2012 | 1 IU/100 g to 10000 IU/100 g |
| | | Crude Fibre (on Dry Basis) | IS 1155: 1968 (RA 2005) Appendix E/ AOAC 962.05 (19 th Edition): 2012 | 0.05 % to 25.0 % |
| | | Zinc | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Heavy Metals | | |
| | Lead | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg | |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|
| | Food Grains, Cereals, Pulses & their products | Copper | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Arsenic | AOAC 986.15 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Tin | AOAC 980.19 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Cadmium | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Aflatoxin | | |
| | | B1 | MI006-02 Issue Date 22/11/2014 | 1 µg/kg to 20 µg/kg |
| | | B2 | | 0.25 µg/kg to 5 µg/kg |
| | | G1 | | 1 µg/kg to 20 µg/kg |
| | | G2 | | 0.25 µg/kg to 5 µg/kg |
| | | Ochratoxin A | MI007-00 Issue Date 22/11/2014 | 1.0 µg/kg to 20 µg/kg |
| | | Melamine | MI003-00 Issue Date 22/11/2014 | 1 µg/kg to 50µg/kg |
| | | Pesticide Residues | | |
| | | Carbaryl | MI004-01 Method No. 4A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Diazinon | | 10 µg/kg to 100 µg/kg |
| | | Phosphomidon | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|----------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Food Grains, Cereals, Pulses & their products Food Grains, Cereals, Pulses & their products | Malathion | MI004-01 Method No. 4A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Ethion | | 10 µg/kg to 100 µg/kg |
| | | Monocrotophos | | 10 µg/kg to 100 µg/kg |
| | | Paraquat Dichloride | | 10 µg/kg to 100 µg/kg |
| | | Phosalone | | 10 µg/kg to 100 µg/kg |
| | | Trichlorfon | | 10 µg/kg to 100 µg/kg |
| | | Thiometon | | 10 µg/kg to 100 µg/kg |
| | | Atrazine | | 10 µg/kg to 100 µg/kg |
| | | Carbendazim & Benomyl | | 10 µg/kg to 100 µg/kg |
| | | Carbofuran | | 10 µg/kg to 100 µg/kg |
| | | Edifenphos | | 10 µg/kg to 100 µg/kg |
| | | Fenthion | | 10 µg/kg to 100 µg/kg |
| | | Phenthoate | | 10 µg/kg to 100 µg/kg |
| | | Phorate | | 10 µg/kg to 100 µg/kg |
| | | Simazine | | 10 µg/kg to 100 µg/kg |
| | Pirimphos Methyl | 10 µg/kg to 100 µg/kg | | |
| | Alachlor | 10 µg/kg to 100 µg/kg | | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Food Grains, Cereals, Pulses & their products Food Grains, Cereals, Pulses & their products | Metalaxyl | MI004-01 Method No. 4A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Quinolphos | | 10 µg/kg to 100 µg/kg |
| | | Triazophos | 10 µg/kg to 100 µg/kg | |
| | | Tridemorph | 10 µg/kg to 100 µg/kg | |
| | | Propiconazole | 10 µg/kg to 100 µg/kg | |
| | | Imidachloprid | 10 µg/kg to 100 µg/kg | |
| | | Pendimethalin | 10 µg/kg to 100 µg/kg | |
| | | Oxydemeton methyl | 10 µg/kg to 100 µg/kg | |
| | | Cartap hydrochloride | MI004-01 Method No. 4B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Aldrin | MI004-01 Method No. 4C Issue Date 22/11/2014 | 10 µg/kg to 100µg/kg |
| | | Dieldrin | | 10 µg/kg to 100µg/kg |
| | | Chlordane | 10 µg/kg to 100µg/kg | |
| | | 2,4-DDD | 10 µg/kg to 100µg/kg | |
| | | 2,4-DDE | 10 µg/kg to 100µg/kg | |
| | 2,4-DDT | 10 µg/kg to 100µg/kg | | |
| | 4,4-DDD | 10 µg/kg to 100µg/kg | | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Food Grains, Cereals, Pulses & their products Food Grains, Cereals, Pulses & their products | 4,4-DDE | MI004-01 Method No. 4C Issue Date 22/11/2014 | 10 µg/kg to 100µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100µg/kg |
| | | Dichlorvos | | 10 µg/kg to 100µg/kg |
| | | Endosulfan | | 10 µg/kg to 100µg/kg |
| | | Fenitrothion | | 10 µg/kg to 100µg/kg |
| | | Heptachlor | | 10 µg/kg to 100µg/kg |
| | | Alpha-HCH | | 10 µg/kg to 100µg/kg |
| | | Beta-HCH | | 10 µg/kg to 100µg/kg |
| | | Delta-HCH | | 10 µg/kg to 100µg/kg |
| | | Gamma-HCH | | 10 µg/kg to 100µg/kg |
| | | Pyrethrin | | 10 µg/kg to 100µg/kg |
| | | Chlorfenvinphos | | 10 µg/kg to 100µg/kg |
| | | Chlorpyrifos | | 10 µg/kg to 100µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100µg/kg |
| | | Deltamethrin | | 10 µg/kg to 100µg/kg |
| | Bitertanol | 10 µg/kg to 100µg/kg | | |
| | Permethrin | 10 µg/kg to 100µg/kg | | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection | |
|--------------|----------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------|-----------------------|
| | Food Grains, Cereals, Pulses & their products | Iprodione | MI004-01 Method No. 4C Issue Date 22/11/2014 | 10 µg/kg to 100µg/kg | |
| | | Trifluralin | | 10 µg/kg to 100µg/kg | |
| | | Food Grains, Cereals, Pulses & their products | 2,4 – D | MI004-01 Method No. 4D Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | | Diuron | | 10 µg/kg to 100 µg/kg |
| | | | MCPA | | 10 µg/kg to 100 µg/kg |
| | | Dithiocarbamates | MI016-00 Issue Date 22/11/2014 | 1 mg/kg to 5 mg/kg | |
| 3. | Sugar & Sugar Products | Loss on drying | IS 15279: 2003 | 0.1 % to 5.0 % | |
| | | Polarization | IS 15279: 2003 | 1.0° to 80.0° | |
| | | Reducing sugars | IS 15279: 2003 | 0.1 % to 2.0 % | |
| | | Color in ICUMSA units | IS 15279: 2003 | 1.0 units to 500.0 units | |
| | | Sulphur dioxide | AOAC 990.28 (19 th Edition): 2012 | 10 mg/kg to 1000 mg/kg | |
| | | Sulphated Ash | AOAC 900.02 (19 th Edition): 2012 | 0.1 % to 2.0 % | |
| | | Total Ash | AOAC 923.03 (19 th Edition): 2012 | 0.1 % to 2.0 % | |
| | | Heavy Metals | | | |
| | Lead | AOAC 999.11(19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg | | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|
| | Sugar & Sugar Products | Cadmium | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Arsenic | AOAC 986.15 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014) | 0.1 mg/kg to 5 mg/kg |
| | | Mercury | AOAC 971.21 (19 th Edition) 2012 MI002-00 Issue Date 22/11/2014) | 0.1 mg/kg to 5 mg/kg |
| | | Selenium | AOAC 986.15 (19 th Edition):2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Copper | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Zinc | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Iron | AOAC 999.11 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Magnesium | AOAC 985.01 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Manganese | AOAC 985.01 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Chromium | MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Nickel | MI002-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Sugar & Sugar Products | Pesticides | | |
| | | Monochrotophos | MI004-01 Method No. 2A Issue Date 22/11/2014 | 0.1 µg/kg to 10 µg/kg |
| | | Ethion | | 0.1 µg/kg to 10 µg/kg |
| | | Phorate | | 0.1 µg/kg to 10 µg/kg |
| | | Butachlor | | 0.1 µg/kg to 10 µg/kg |
| | | Isoproturon | | 0.1 µg/kg to 10 µg/kg |
| | | Alachlor | | 0.1 µg/kg to 10 µg/kg |
| | | Atrazine | | 0.1 µg/kg to 10 µg/kg |
| | | Methyl Paraoxon | | 0.1 µg/kg to 10 µg/kg |
| | | Malathion | | 0.1 µg/kg to 10 µg/kg |
| | | Malaaxon | | 0.1 µg/kg to 10 µg/kg |
| | | Aldicarb | | 0.1 µg/kg to 10 µg/kg |
| | | Imidachloprid | | 0.1 µg/kg to 10 µg/kg |
| | | Azinphos Methyl | | 0.1 µg/kg to 10 µg/kg |
| | | Oxamyl | | 0.1 µg/kg to 10 µg/kg |
| | | Quinalphos | | 0.1 µg/kg to 10 µg/kg |
| | | Carbofuran | 0.1 µg/kg to 10 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Sugar & Sugar Products | Propiconazole | MI004-01 Method No. 2A Issue Date 22/11/2014 | 0.1 µg/kg to 10 µg/kg |
| | | Simazine | | 0.1 µg/kg to 10 µg/kg |
| | | Metribuzin | | 0.1 µg/kg to 10 µg/kg |
| | | 2,4-D | MI004-01 Method No. 2B Issue Date 22/11/2014 | 0.1 µg/kg to 10 µg/kg |
| | | 2,4-DDD | MI004-01 Method No. 2C Issue Date 22/11/2014 | 0.1 µg/kg to 10 µg/kg |
| | | 2,4-DDE | | 0.1 µg/kg to 10 µg/kg |
| | | 2,4-DDT | | 0.1 µg/kg to 10 µg/kg |
| | | 4,4-DDD | | 0.1 µg/kg to 10 µg/kg |
| | | 4,4-DDE | | 0.1 µg/kg to 10 µg/kg |
| | | 4,4-DDT | | 0.1 µg/kg to 10 µg/kg |
| | | Alpha-HCH | | 0.1 µg/kg to 10 µg/kg |
| | | Beta-HCH | | 0.1 µg/kg to 10 µg/kg |
| | | Delta-HCH | | 0.1 µg/kg to 10 µg/kg |
| | | Lindane | 0.1 µg/kg to 10 µg/kg | |
| | | Alpha-Endosulfan | 0.1 µg/kg to 10 µg/kg | |
| | | Beta-Endosulfan | 0.1 µg/kg to 10 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Sugar & Sugar Products | Endosulfan Sulphate | MI004-01 Method No. 2C Issue Date 22/11/2014 | 0.1 µg/kg to 10 µg/kg |
| | | Chlorpyrifos | | 0.1 µg/kg to 10 µg/kg |
| | | Parathion | | 0.1 µg/kg to 10 µg/kg |
| | | Methyl Parathion | | 0.1 µg/kg to 10 µg/kg |
| | | Aldrin | | 0.1 µg/kg to 10 µg/kg |
| | | Dieldrin | | 0.1 µg/kg to 10 µg/kg |
| | | Cypermethrin | | 0.1 µg/kg to 10 µg/kg |
| | | Ethoprophos | | 0.1 µg/kg to 10 µg/kg |
| | | Dichlorvos | | 0.1 µg/kg to 10µg/kg |
| 4. | Fruits, Vegetables & Juices | Moisture | IS 3882: 1966 (RA 2010)/ IS 5781: 1993 (RA 2008)/ AOAC 984.25 (19 th Edition): 2012 | 0.1 % to 90.0 % |
| | | Total Ash | IS 13846: 2009/ AOAC 940.26 (19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Acid Insoluble Ash | IS 13846: 2009 | 0.1 % to 2.0 % |
| | | Sulphur Dioxide | DGHS Manual 5: 2005 Method 17.7/ AOAC 962.16 (19 th Edition): 2012 AOAC 990.28 (19 th Edition): 2012 | 10 mg/kg to 1000 mg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Total Solids | IS 3882: 1966 (RA 2010)/ IS 5781: 1993 (RA 2008)/ AOAC 984.26 (19 th Edition): 2012 | 0.1 % to 90.0 % |
| | | Total Soluble Solids | IS 13815: 2010 / AOAC 932.12 (19 th Edition): 2012 | 0.1 % to 20% |
| | | Sodium Chloride | DGHS Manual 5: 2005 Method No. 18.2/ IS 3881: 1993 (RA 2008)/ IS 2860: 1964 | 0.05 % to 5% |
| | | pH | ISO 1842: 1991 | 1 to 12 |
| | | Acidity as Citric Acid | DGHS Manual 5: 2005 Method No. 2.4 | 0.05 % to 5% |
| | | Sugars | DGHS Manual 5: 2005 Method No 2.6/ AOAC 923.09 (19 th Edition): 2012 | 0.1 % to 50% |
| | | Brix | IS 13815: 2010 / AOAC 932.14 (19 th Edition): 2012 | 1 units to 20 units |
| | | Ethanol | IS 3752: 2005 (RA 2010)/ AOAC 920.57 (19 th Edition): 2012 | 1 mg/kg to 1000 mg/kg |
| | | Reducing Sugar | IS 6287: 1985 (RA 2010) / AOAC 925.35 (19 th Edition):2012/ DGHS Manual 5: 2005 Method No. 2.6 | 0.05 % to 75% |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------|--------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Vitamin C (Ascorbic Acid) | IS 5838: 1970 (RA 2010)/ AOAC 985.33 (19 th Edition): 2012 | (2.0 mg to 1000 mg) /100g |
| | | Metals and Minerals | | |
| | | Lead | AOAC 999.11 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Arsenic | AOAC 986.15 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Cadmium | AOAC 999.11 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5mg/kg |
| | | Mercury | AOAC 971.21 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Copper | AOAC 985.01 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Zinc | AOAC 975.03 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Sodium | AOAC 956.01 (19 th Edition): 2012/ MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Potassium | AOAC 956.01 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Calcium | AOAC 985.01 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |

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|--------------|----------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Iron | AOAC 975.03 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Manganese | AOAC 985.01 (19 th Edition): 2012/ MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Magnesium | AOAC 985.01 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 500 mg/kg |
| | | Tin | AOAC 980.19 (19 th Edition): 2012 MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Nickel | MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Selenium | MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Chromium | MI024-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | Pesticides | | | |
| | Organochlorine | | | |
| | Aldrin | MI004-01 Method No. 1G Issue Date 22/11/2014 | | 10 µg/kg to 100 µg/kg |
| | Dieldrin | | | 10 µg/kg to 100 µg/kg |
| | Chlordane -cis | | | 10 µg/kg to 100 µg/kg |
| | Chlordane –trans | | | 10 µg/kg to 100 µg/kg |
| | 2,4-DDD | | | 10 µg/kg to 100 µg/kg |

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|--------------|-------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | 2,4-DDE | MI004-01 Method No. 1G Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | Dicofol (sum of p, p' and o, p' Isomers) | | 10 µg/kg to 100 µg/kg |
| | | Endosulphan – Alpha | | 10 µg/kg to 100 µg/kg |
| | | Endosulphan –Beta | | 10 µg/kg to 100 µg/kg |
| | | Endosulphan- Sulphate | | 10 µg/kg to 100 µg/kg |
| | | Endrin | | 10 µg/kg to 100 µg/kg |
| | | Alpha-HCH | | 10 µg/kg to 100 µg/kg |
| | | Beta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Delta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Lindane (gamma-HCH) | | 10 µg/kg to 100 µg/kg |
| | Heptachlor (sum of Heptachlor and Heptachlor Epoxide Expressed as Heptachlor) | 10 µg/kg to 100 µg/kg | | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|-----------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|----------------------------------------|
| | Fruits, Vegetables & Juices | Chlorthalonil | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Methoxychlor | | 10 µg/kg to 100 µg/kg |
| | | Quintizene | | 10 µg/kg to 100 µg/kg |
| | | S-421 | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Organophosphorus | | |
| | | Acephate | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Diazinon | | 10 µg/kg to 100 µg/kg |
| | | Dimethoate (Including Omethoate) | | 10 µg/kg to 100 µg/kg |
| | | Edifenphos | | 10 µg/kg to 100 µg/kg |
| | | Ethion | | 10 µg/kg to 100 µg/kg |
| | Etrimfos | | 10 µg/kg to 100 µg/kg | |
| | Fenthion (Fenthion and its Oxygen Analogue, their Sulfoxides and Sulfone Expressed as Parent) | MI004-01 Method No. 1F Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg | |
| | Iprobenphos | | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Malathion (Sum of Malathion and Malaoxon Expressed as Malathion) | MI004-01 Method No. 1F Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Methamidophos | | 10 µg/kg to 100 µg/kg |
| | | Monocrotophos | | 10 µg/kg to 100 µg/kg |
| | | Omethoate (refer to Dimethoate) | | 10 µg/kg to 100 µg/kg |
| | | Phenthoate | | 10 µg/kg to 100 µg/kg |
| | | Phosalone | | 10 µg/kg to 100 µg/kg |
| | | Phosphamidon | | 10 µg/kg to 100 µg/kg |
| | | Pirimiphos-methyl | | 10 µg/kg to 100 µg/kg |
| | | Profenophos | | 10 µg/kg to 100 µg/kg |
| | | Quinalphos | | 10 µg/kg to 100 µg/kg |
| | | Temephos | | 10 µg/kg to 100 µg/kg |
| | | Triazophos | | 10 µg/kg to 100 µg/kg |
| | | Dichlorvos | | 10 µg/kg to 100 µg/kg |
| | | Fenitrothion | | 10 µg/kg to 100 µg/kg |
| | | Parathion Ethyl | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Parathion Methyl (sum of Parathion Methyl and Paraoxon Methyl expressed as Parathionmethyl) | MI004-01 Method No. 1F Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | 4-bromo-2-chlorophenol (metabolite of Profenophos) | MI004-01 Method No. 1G Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Chlorfenvinphos | | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos | | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos methyl | | 10 µg/kg to 100 µg/kg |
| | | Propetamphos | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Glufosinate-Ammonium (Sum of Glufosinate, its Salts, MPP and NAG expressed as Glufosinate Equivalents) | MI004-01 Method No. 1I Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Glyphosate (and the Metabolite Amino Methyl- Phosphonic Acid) | | 10 µg/kg to 100 µg/kg |
| | | Oxydemeton (Including Demeton -S- Methyl Sulfone) | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Phorate (Sum of Phorate, its Oxygen Analogue and their Sulfones expressed as Phorate) | | 10 µg/kg to 100 µg/kg |

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|--------------|----------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Phorate Sulfone | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Phorate Sulfoxide | | 10 µg/kg to 100 µg/kg |
| | | Thiometon | MI004-01 Method No. 1K Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | Synthetic Pyrethroids | | | |
| | | Allethrin | MI004-01 Method No. 1G Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Bioallethrin | | 10 µg/kg to 100 µg/kg |
| | | Bifenthrin | | 10 µg/kg to 100 µg/kg |
| | | Cyfluthrin | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100 µg/kg |
| | | Deltamethrin | | 10 µg/kg to 100 µg/kg |
| | | Ethofenprox (Etofenprox) | | 10 µg/kg to 100 µg/kg |
| | | Fenpropathrin | | 10 µg/kg to 100 µg/kg |
| | | Fenvalerate & Esfenvalerate (sum of RR & SS Isomers) | | 10 µg/kg to 100 µg/kg |
| | | Fenvalerate & Esfenvalerate (sum of RS & SR Isomers) | | 10 µg/kg to 100 µg/kg |
| | | Lambda-cyhalothrin | | 10 µg/kg to 100 µg/kg |

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|--------------|----------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Permethrin | MI004-01 Method No. 1G Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | tau- Fluvalinate | | 10 µg/kg to 100 µg/kg |
| | | Transfluthrin | | 10 µg/kg to 100 µg/kg |
| | | Triazines | | |
| | | Atrazine | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Simazine | | 10 µg/kg to 100 µg/kg |
| | | Flufenzine | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Acylamino Acid Fungicides | | |
| | | Benalaxyl Including other Mixtures of Constituent Isomers Including Benalaxyl-M (sum of Isomers) | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Metalaxyl & Metalaxyl-M | | 10 µg/kg to 100 µg/kg |
| | | Oxycarboxin | | 10 µg/kg to 100 µg/kg |
| | | Propanil | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | | Carbamates | | |
| | Fruits, Vegetables & Juices | Benomyl (see Carbendazim) | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Carbaryl | | 10 µg/kg to 100 µg/kg |
| | | Carbofuran (Sum of Carbofuran and 3-Hydroxy-Carbofuran expressed as Carbofuran) | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Carbosulfan | | 10 µg/kg to 100 µg/kg |
| | | Dazomet (Methylisothiocyanate Resulting from the Use of Dazomet and Metam) | | 10 µg/kg to 100 µg/kg |
| | | Fenobucarb | | 10 µg/kg to 100 µg/kg |
| | | Indoxacarb (sum of R and S isomers) | | 10 µg/kg to 100 µg/kg |
| | | Iprovalicarb | | 10 µg/kg to 100 µg/kg |
| | | Methomyl | | 10 µg/kg to 100 µg/kg |
| | | Thiodicarb | | 10 µg/kg to 100 µg/kg |
| | | Propoxur | | 10 µg/kg to 100 µg/kg |
| | Thiobencarb (Benthiocarb) | | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|--------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Bendiocarb | MI004-01 Method No. 1F Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Benfuracarb | MI004-01 Method No. 1K Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Pyrimidines | | |
| | | Fenarimol | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Triazoles | | |
| | | Bitertanol | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Difenoconazole | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Flusilazole | | 10 µg/kg to 100 µg/kg |
| | | Hexaconazole | | 10 µg/kg to 100 µg/kg |
| | | Myclobutanil | | 10 µg/kg to 100 µg/kg |
| | | Paclbutrazol | | 10 µg/kg to 100 µg/kg |
| | | Penconazole | | 10 µg/kg to 100 µg/kg |
| | | Propiconazole | | 10 µg/kg to 100 µg/kg |
| | | Tebuconazole | | 10 µg/kg to 100 µg/kg |
| | Triadimefon (sum of Triadimefon and Triadimenol) | | 10 µg/kg to 100 µg/kg | |

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|--------------|----------------------------------------|---------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Imidazole | | |
| | | Fenamidone | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Iprodion | MI004-01 Method No. 1F Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Oxazole | | |
| | | Famoxadone | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Phthalimide | | |
| | | Captan | MI004-01 Method No. 1F Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Captafol | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Benzimidazole | | |
| | | Carbendazim (including Benomyl) | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Thiophanate-Methyl | | 10 µg/kg to 100 µg/kg |
| | | Thiophanate-Ethyl | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Thiabendazole | | 10 µg/kg to 100 µg/kg |

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|--------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Dithiocarbamates | | |
| | | Dithiocarbamates (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram Collectively Estimated as CS2) | MI004-01 Issue Date 22/11/2014 | 1 mg/kg to 5mg/kg |
| | | Acetamiprid | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Clothianidin (See Thiamethoxam) | | 10 µg/kg to 100 µg/kg |
| | | Thiacloprid | | 10 µg/kg to 100 µg/kg |
| | | Thiamethoxam (sum of Thiamethoxam and Clothianidin Expressed as Thiamethoxam) | | 10 µg/kg to 100 µg/kg |
| | | Imidacloprid | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Dinitrophenol | | |
| | | Dinocap (sum of Dinocap Isomers and their Corresponding Phenols expressed as Dinocap) and Meptyldinocap | MI017-00 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Aliphatic Nitrogen Fungicides | | |
| | | Cymoxanil | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |

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|--------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Morpholine | | |
| | | Dimethomorph | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Tridemorph | MI004-01 Method No. 1K Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Substituted Thiourea | | |
| | | Diafenthuron | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Iodosulfuron-Methyl (Iodosulfuron-Methyl including Salts, expressed as Iodosulfuron-Methyl) | | 10 µg/kg to 100 µg/kg |
| | | Isoproturon | | 10 µg/kg to 100 µg/kg |
| | | Linuron | | 10 µg/kg to 100 µg/kg |
| | | Lufenuron | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Pencycuron | | 10 µg/kg to 100 µg/kg |
| | Diuron (Diuron Including all Components Containing 3,4-Dichloroaniline Moiety Expressed as 3,4-Dichloroaniline) | MI004-01 Method No. 1B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg | |

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|--------------|----------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Benzoylphenyl Urea | | |
| | | Flufenoxuron | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Strobilurin | | |
| | | Azoxystrobin | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Kresoxim methyl | | 10 µg/kg to 100 µg/kg |
| | | Pyraclostrobin | | 10 µg/kg to 100 µg/kg |
| | | Trifloxystrobin | | 10 µg/kg to 100 µg/kg |
| | | Phenyl pyrazole | | |
| | | Fipronil (sum of Fipronil + Sulfone Metabolite (MB46136) Expressed as Fipronil) | MI004-01 Method No. 1B Issue Date 22/11/2014 | 5 µg/kg to 100 µg/kg |
| | | Pyrazole | | |
| | | Fenpyroximate | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Nitrophenyl ether | | |
| | | Oxyfluorfen | MI004-01 Method No. 1G Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |

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|--------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Dinitroaniline | | |
| | | Pendimethalin | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Trifluralin | MI004-01 Method No. 1D Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Anilide/ Acetanilide/ and Chloroacetanilide | | |
| | | Alachlor | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Carboxin | | 10 µg/kg to 100 µg/kg |
| | | Flufenacet (Sum of all Compounds Containing the N Fluorophenyl-N-Isopropyl Moiety expressed as Flufenacet Equivalent) | | 10 µg/kg to 100 µg/kg |
| | | Metolachlor (with S-Metolachlor) | | 10 µg/kg to 100 µg/kg |
| | | Novaluron | | 10 µg/kg to 100 µg/kg |
| | | Butachlor | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | Miscellaneous Group of Chemicals | | | |
| | Bifenazate | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg | |
| | Buprofezin | | 10 µg/kg to 100 µg/kg | |

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|--------------|----------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Diflubenzuron | MI004-01 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Metribuzin | | 10 µg/kg to 100 µg/kg |
| | | Hexythiazox | | 10 µg/kg to 100 µg/kg |
| | | Isoprothiolane | | 10 µg/kg to 100 µg/kg |
| | | Mandipropamid | | 10 µg/kg to 100 µg/kg |
| | | Oxadiazon | | 10 µg/kg to 100 µg/kg |
| | | Propargite | | 10 µg/kg to 100 µg/kg |
| | | Spiromesifen | | 10 µg/kg to 100 µg/kg |
| | | Trichlorfon | | 10 µg/kg to 100 µg/kg |
| | | Tricyclazole | | 10 µg/kg to 100 µg/kg |
| | | Dodine | | 10 µg/kg to 100 µg/kg |
| | | Enamectin Benzoate | | 10 µg/kg to 100 µg/kg |
| | | Flubendiamide | | 10 µg/kg to 100 µg/kg |
| | Forchlorfenuron (CPPU) | 10 µg/kg to 100 µg/kg | | |

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|--------------|----------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Dithianon | MI004-01 Method No. 1B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Cartap hydrochloride | MI004-01 Method No. 1C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Pyriproxyfen | MI004-01 Method No. 1G Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Abamectin (sum of AvermectinB1a, AvermectinB1b and Delta-8,9 Isomer of AvermectinB1a) | MI004-01 Method No. 1K Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Fenazaquin | MI004-01 Method No. 1K Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Spinosad(sum of Spinosyn A+D) | | 10 µg/kg to 100 µg/kg |
| | | 1-Naphthylacetic Acid (Alphanaphthyl Acetic Acid) | MI018-01 Method No. 1 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | 2,4-D | | 10 µg/kg to 100 µg/kg |
| | | 6-Benzyl adenine | | 10 µg/kg to 100 µg/kg |
| | | Ethephon | | 10 µg/kg to 100 µg/kg |
| | | Gibberellic acid | | 10 µg/kg to 100 µg/kg |
| | | Azadirachtin | MI018-01 Method No. 2 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Chlormequat (CCC) | | 10 µg/kg to 100 µg/kg |

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|--------------|----------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Diquat | MI018-01 Method No. 2 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Mepiquat | | 10 µg/kg to 100 µg/kg |
| | | Fosetyl-Al (sum Fosetyl Phosphorous Acid and their Salts, Expressed as Fosetyl) | MI018-01 Method No. 3 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Milbemectin –A4 | MI018-01 Method No. 4 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Homobrassinolide | MI018-01 Method No. 5 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Hydrogen Cyanamide (Cyanamide Including Salts expressed as Cyanamide) | MI018-01 Method No. 6 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Milbemectin –A3 | MI018-01 Method No. 4 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Paraquat | MI018-01 Method No. 2 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Procymidone | MI004-01 Method No.1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Vinclozolin | | 10 µg/kg to 100 µg/kg |
| | | Formathion | | 10 µg/kg to 100 µg/kg |
| | | Benfluralin | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Dimeton-S-Methyl | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Bromophos-Ethyl | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Cyzofamid | | 10 µg/kg to 100 µg/kg |
| | | Tetraconazole | | 10 µg/kg to 100 µg/kg |
| | | Chlorantraniliprole | | 10 µg/kg to 100 µg/kg |
| | | Chlorofenpyr | | 10 µg/kg to 100 µg/kg |
| | | Dinotefuran | | 10 µg/kg to 100 µg/kg |
| | | Fonicamid | | 10 µg/kg to 100 µg/kg |
| | | Bromophos-Methyl | | 10 µg/kg to 100 µg/kg |
| | | Bromopropylate | | 10 µg/kg to 100 µg/kg |
| | | Dichloflunid | | 10 µg/kg to 100 µg/kg |
| | | Disulfoton | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Fenchlorophos(sum of Fenchlorophos and Fenchlorophos Oxon) | MI004-01 Method No.1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |

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|--------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Fruits, Vegetables & Juices | Fensulfothion (sum of Fensulfothion, Fensulfothion-Oxon, Fensulfothion-Oxon Sulfon and Fensulfothion-Sulfon) | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Flucytrinate (Gamma Flucytrinate) | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Fonofos | | 10 µg/kg to 100 µg/kg |
| | | Hexachloro Benzine | | 10 µg/kg to 100 µg/kg |
| | | Mecarbam | | 10 µg/kg to 100 µg/kg |
| | | Methacriphos | | 10 µg/kg to 100 µg/kg |
| | | Methidathion | | 10 µg/kg to 100 µg/kg |
| | | Mirex | | 10 µg/kg to 100 µg/kg |
| | | Pentachloranisol | | 10 µg/kg to 100 µg/kg |
| | | Tecnazene | MI004-01 Method No. 1J Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Tetradifon | MI004-01 Method No. 1H Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Pirimicarb | | 10 µg/kg to 100 µg/kg |
| | | Piperonyl butoxide | | 10 µg/kg to 100 µg/kg |
| | | Prothiophos | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-----------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| 5. | Aqua and Marine Products | Pesticides | | |
| | | Ethion | MI009-01 Method No. 1 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Diazinon | | 10 µg/kg to 100 µg/kg |
| | | Malathion | | 10 µg/kg to 100 µg/kg |
| | | Phosalone | | 10 µg/kg to 100 µg/kg |
| | | Aldrin | MI009-01 Method No. 2 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Dieldrin | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | Chlordane | | 10 µg/kg to 100 µg/kg |
| | | Endosulfan | | 10 µg/kg to 100 µg/kg |
| Alpha-HCH | | 10 µg/kg to 100 µg/kg | | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Aqua and Marine Products | Beta-HCH | MI009-01 Method No. 2 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Gamma-HCH | | 10 µg/kg to 100 µg/kg |
| | | Delta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Heptachlor | | 10 µg/kg to 100 µg/kg |
| | | Heptachlor Epoxide | | 10 µg/kg to 100 µg/kg |
| | | Methoxychlor | | 10 µg/kg to 100 µg/kg |
| | | Dichlorvos | | 10 µg/kg to 100 µg/kg |
| | | Methyl Parathion | | 10 µg/kg to 100 µg/kg |
| | | Permethrin | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100 µg/kg |
| | | Fenvelerate | | 10 µg/kg to 100 µg/kg |
| | | Deltamethrin | | 10 µg/kg to 100 µg/kg |
| | Antibiotics | | | |
| | Chloramphenicol | MI005-01 Method No. 1 Issue Date 22/11/2014 | 0.1 µg/kg to 10 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Aqua and Marine Products | Nitrofurans & its metabolites | | |
| | | AOZ | MI005-01 Method No. 4A Issue Date 22/11/2014 | 1 µg/kg to 20 µg/kg |
| | | AMAZ | | 1 µg/kg to 20 µg/kg |
| | | AHD | | 1 µg/kg to 20 µg/kg |
| | | SEM | | 1 µg/kg to 20 µg/kg |
| | | Furazolidone | MI005-01 Method No. 4B Issue Date 22/11/2014 | 1 µg/kg to 20 µg/kg |
| | | Furaladone | | 1 µg/kg to 20 µg/kg |
| | | Nitrofurantoin | | 1 µg/kg to 20 µg/kg |
| | | Nitrofurazone | | 1 µg/kg to 20 µg/kg |
| | | Tetracyclines | | |
| | | Oxytetracycline, | MI005-01 Method No. 2 Issue Date 22/11/2014 | 5 µg/kg to 100 µg/kg |
| | | Chlortetracycline | | 5 µg/kg to 100 µg/kg |
| | | Doxycycline | | 5 µg/kg to 100 µg/kg |
| | | Tetracycline | | 5 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Aqua and Marine Products | Sulphonamides | | |
| | | Sulfamethzine (Sulfadimidine) | MI005-01 Method No. 3 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Sulfadiazine | | 10 µg/kg to 100 µg/kg |
| | | Sulfadimethoxine | | 10 µg/kg to 100 µg/kg |
| | | Sulfamethizole | | 10 µg/kg to 100 µg/kg |
| | | Sulfadoxine | | 10 µg/kg to 100 µg/kg |
| | | Sulfanilamide | | 10 µg/kg to 100 µg/kg |
| | | Sulfamerazine | | 10 µg/kg to 100 µg/kg |
| | | Sulfamethoxy pyridazine | | 10 µg/kg to 100 µg/kg |
| | | Sulfacetamide | | 10 µg/kg to 100 µg/kg |
| | | Sulfathiazole | | 10 µg/kg to 100 µg/kg |
| | | Sulfachloropyridazine | | 10 µg/kg to 100 µg/kg |
| | | Sulfaginidine | | 10 µg/kg to 100 µg/kg |
| | | Sulfameter | | 10 µg/kg to 100 µg/kg |
| | | Sulfamethoxazole | | 10 µg/kg to 100 µg/kg |
| | | Sulfasalazine | | 10 µg/kg to 100 µg/kg |
| | | Sulfanitron | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| | Aqua and Marine Products | Sulfapyridine | MI005-01 Method No. 3 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Sulfabenzimide | | 10 µg/kg to 100 µg/kg |
| | | Sulfisomidine | | 10 µg/kg to 100 µg/kg |
| | | Sulfaquinoxaline | | 10 µg/kg to 100 µg/kg |
| | | Dapsone | | 10 µg/kg to 100 µg/kg |
| | Heavy Metals | | | |
| | | Mercury | AOAC 977.15 (19 th Edition): 2012 MI025-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Cadmium | | 0.1 mg/kg to 5 mg/kg |
| | | Arsenic | | 0.1 mg/kg to 5 mg/kg |
| | | Lead | | 0.1 mg/kg to 5 mg/kg |
| | | Copper | | 0.1 mg/kg to 5 mg/kg |
| | | Zinc | | 0.1 mg/kg to 5 mg/kg |
| 6. | Carbonate Beverages | Sugar content | | IS 2346: 1992 (RA 2009)/ AOAC 932.14 (19 th Edition): 2012 |
| | | Carbon dioxide | APHA (19 th Edition): 2012 | 0.2 mg/l to 30 mg/l |
| | | pH | APHA (19 th Edition): 2012 | 1 to 12 |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|----------------------------|---------------------------------|-------------------------------------------------------------|----------------------------------------|
| | Carbonate Beverages | Barium as Ba | MI014-00 Issue Date 22/11/2014 | 0.01 mg/l to 1000 mg/l |
| | | Sugars | DGHS Manual 5: 2005 Method No. 2.6 | 0.05 % to 25 % |
| | | Iron as Fe | MI014-00 Issue Date 22/11/2014 | 0.05 mg/l to 5mg/l |
| | | Silver as Ag | | 0.05 mg/l to 5mg/l |
| | | Calcium as Ca | | 0.1 mg/l to 100 mg/l |
| | | Magnesium as Mg | | 0.1 mg/l to 100 mg/l |
| | | Copper as Cu | | 0.05 mg/l to 5mg/l |
| | | Manganese as Mn | | 0.05 mg/l to 5mg/l |
| | | Sodium as Na | | 0.1 mg/l to 100 mg/l |
| | | Mercury (as Hg) | | 0.05 mg/l to 5 mg/l |
| | | Cadmium (as Cd) | | 0.05 mg/l to 5 mg/l |
| | | Selenium (as Se) | | 0.05 mg/l to 5 mg/l |
| | | Arsenic (as As) | | 0.05 mg/l to 5mg/l |
| | | Lead (as Pb) | | 0.05 mg/l to 5 mg/l |
| | | Zinc (as Zn) | | 0.05 mg/l to 5 mg/l |
| | | Chromium (as Cr ⁶⁺) | | 0.05 mg/l to 5 mg/l |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Carbonate Beverages | Aluminium (as Al) | MI014-00 Issue Date 22/11/2014 | 0.05 mg/l to 5 mg/l |
| | | Nickel as Ni | | 0.05 mg/l to 5 mg/l |
| | | Tin as Sn | | 0.05 mg/l to 5 mg/l |
| | | Antimony as Sb | | 0.05 mg/l to 5 mg/l |
| | Pesticides | | | |
| | | Monocrotophos | MI015-00 Method No. 4A Issue Date 22/11/2014 | 0.05 µg/l to 0.5 µg/l |
| | | Ethion | | 0.05 µg/l to 0.5 µg/l |
| | | Phorate | | 0.05 µg/l to 0.5 µg/l |
| | | Phorate Sulfoxide | | 0.05 µg/l to 0.5 µg/l |
| | | Phorate Sulfone | | 0.05 µg/l to 0.5 µg/l |
| | | Butachlor | | 0.05 µg/l to 0.5 µg/l |
| | | Isoproturon | | 0.05 µg/l to 0.5 µg/l |
| | | Alachlor | | 0.05 µg/l to 0.5 µg/l |
| | | Atrazine | | 0.05 µg/l to 0.5 µg/l |
| | | Methyl parathion | | 0.05 µg/l to 0.5 µg/l |
| | | Methyl Paraoxon | | 0.05 µg/l to 0.5 µg/l |
| | | Malathion | | 0.05 µg/l to 0.5 µg/l |

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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Carbonate Beverages | Malaoxon | MI015-00 Method No. 4A Issue Date 22/11/2014 | 0.05 µg/l to 0.5 µg/l |
| | | Aldicarb | | 0.05 µg/l to 0.5 µg/l |
| | | Imidachloprid | | 0.05 µg/l to 0.5 µg/l |
| | | Azinphos – Methyl | | 0.05 µg/l to 0.5 µg/l |
| | | Oxamyl | | 0.05 µg/l to 0.5 µg/l |
| | | Quinalphos | | 0.05 µg/l to 0.5 µg/l |
| | | Carbofuran | | 0.05 µg/l to 0.5 µg/l |
| | | Propiconazole | | 0.05 µg/l to 0.5 µg/l |
| | | Simazine | | 0.05 µg/l to 0.5 µg/l |
| | | Metribuzin | | 0.05 µg/l to 0.5 µg/l |
| | | 2,4 – D | MI015-00 Method No. 4B Issue Date 22/11/2014 | 0.05 µg/l to 0.5 µg/l |
| | | Alpha- HCH | MI015-00 Method No. 4C Issue Date 22/11/2014 | 0.05 µg/l to 0.5 µg/l |
| | | Beta -HCH | | 0.05 µg/l to 0.5 µg/l |
| | | Delta- HCH | | 0.05 µg/l to 0.5 µg/l |
| | | Lindane- - Gamma HCH | | 0.05 µg/l to 0.5 µg/l |
| | 2,4-DDD | | 0.05 µg/l to 0.5 µg/l | |

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|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Carbonate Beverages | 2,4-DDE | MI015-00 Method No. 4C Issue Date 22/11/2014 | 0.05 µg/l to 0.5 µg/l |
| | | 2,4-DDT | | 0.05 µg/l to 0.5 µg/l |
| | | 4,4-DDD | | 0.05 µg/l to 0.5 µg/l |
| | | 4,4-DDE | | 0.05 µg/l to 0.5 µg/l |
| | | 4,4-DDT | | 0.05 µg/l to 0.5 µg/l |
| | | Alpha Endosulfan | | 0.05 µg/l to 0.5 µg/l |
| | | Beta Endosulfan | | 0.05 µg/l to 0.5 µg/l |
| | | Endosulfan Sulphate | | 0.05 µg/l to 0.5 µg/l |
| | | Chlorpyrifos | | 0.05 µg/l to 0.5 µg/l |
| | | Aldrin | | 0.05 µg/l to 0.5 µg/l |
| | | Dieldrin | | 0.05 µg/l to 0.5 µg/l |
| | | Cypermethrin | | 0.05 µg/l to 0.5 µg/l |
| | | Dichlorvos | | 0.05 µg/l to 0.5 µg/l |
| | Ethoprophos | 0.05 µg/l to 0.5 µg/l | | |
| 7. | Oils and Fats | Moisture | IS 548 (Part 1): 1964 / ISO 662: 1998 | 0.1 % to 10% |
| | | Insoluble impurities | IS 548 (Part 1):1964 (RA 2006) | 0.01 % to 10% |

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|--------------|-----------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------|
| | Oils and Fats | Acid value | IS 548 (Part 1): 1964 (RA 2006) | 0.10 to 10 |
| | | Free fatty acids | IS 548 (Part 1): 1964 (RA 2006) | 0.05 % to 10% |
| | | Unsaponifiable matter | IS 548 (Part 1): 1964 RA 2006/ AOAC 933.08 (19 th Edition):2012 | 0.10 % to 25% |
| | | Refractive index | IS 548 (Part 1): 1964 (RA 2006) | 1.40 to 1.60 |
| | | Specific gravity | IS 548 (Part 1): 1964 (RA 2006) | 0.70 g/ml to 0.95 g/ml |
| | | Color | IS 548 (Part 1): 1964 (RA 2006) | 0.10 units to 100units |
| | | Iodine value | IS 548 (Part 1): 1964 (RA 2006) / AOAC 993.20 (19 th Edition): 2012 | 8 to 250 |
| | | Peroxide Value | IS 548 (Part 1): 1964 (RA 2006) / AOAC 965.33 (19 th Edition): 2012 | 1 meq./ 1000g to 50 meq./ 1000g |
| | | Saponification Value | IS 548 (Part 1): 1964 (RA 2006) | 10 to 300 |
| | | Adulterants | | |
| | | Presence of Sesame oil (Modified Baudouin Test) | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |
| | | Presence of Cotton Seed Oil (Halphen Test) | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |
| | | Presence of Lin Seed Oil (Hexabromide Test) | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |

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|--------------|-----------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Oils and Fats | Presence of Karanja (Pungam) Oil and other Oil Containing Phenolic Substances Test | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |
| | | Presence of Argemone Oil | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |
| | | Presence of Hydrocyanic Acid | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |
| | | Presence of Mineral Oil | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |
| | | Presence of Kusum Oil and other Oils containing Cynogenic Compounds Test | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |
| | | Presence of Castor Oil | IS 548 (Part 2): 1976 (RA 2006) | Qualitative |
| | | Fatty Acid Profile | | |
| | | Saturated Fat | AOAC 996.06 (19 th Edition): 2012 | 1 % to 99 % |
| | | Mono Unsaturated Fat | | 1 % to 99 % |
| | | Poly Unsaturated Fat | | 1 % to 99 % |
| | | Trans Fat | | 1 % to 99 % |
| | | Cholesterol | AOAC 994.10 (19 th Edition): 2012 | 1 mg/kg to 25 mg/kg |
| | | Vitamin A (as Retinol Palmitate) | AOAC 2001.13 (19 th Edition): 2012 | 1 IU to 10000 IU /100g |
| | | Vitamin E (Alpha Tocopherol) | MI032-00 Issue Date 22/11/2014 | 10 mg/kg to 10000 mg/kg |
| | | Vitamin D2 (Ergocalciferol) | MI032-00 Issue Date 22/11/2014 | 5 µg/kg to 100 µg/kg |

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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|--|
| 8. | Nuts & Oil Seeds | Moisture | AOAC 925.40 (19 th Edition): 2012 | 0.1 % to 50.0 % | |
| | | Oil content | AOAC 948.22 (19 th Edition): 2012 | 0.1 % to 75.0 % | |
| | | Free fatty acids | IS 548 (Part 1): 1964 (RA 2006) | 0.05 % to 5.0 % | |
| | | Aflatoxins | | | |
| | | B1 | MI006-02 Issue Date 22/11/2014 | 1 µg/kg to 20 µg/kg | |
| | | B2 | | 0.25 µg/kg to 5µg/kg | |
| | | G1 | | 1 µg/kg to 20µg/kg | |
| | | G2 | | 0.25 µg/kg to 5µg/kg | |
| | | Pesticides | | | |
| | | Monocrotophos | MI011-00 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100µg/kg | |
| | | Ethion | | 10 µg/kg to 100µg/kg | |
| | | Phorate | | 10 µg/kg to 100µg/kg | |
| | | Butachlor | | 10 µg/kg to 100µg/kg | |
| | | Isoproturon | | 10 µg/kg to 100µg/kg | |
| | Alachlor | | 10 µg/kg to 100µg/kg | | |
| | Atrazine | | 10 µg/kg to 100µg/kg | | |
| | Phorate Sulfoxide | | 10 µg/kg to 100µg/kg | | |

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|-------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-------------------------------------------------|
| | Nuts & Oil Seeds | Methyl Paraoxon | MI011-00 Method No. 1A Issue Date 22/11/2014 | 10 µg/kg to 100µg/kg |
| | | Malathion | | 10 µg/kg to 100µg/kg |
| | | Malaoxon | | 10 µg/kg to 100µg/kg |
| | | Aldicarb | | 10 µg/kg to 100µg/kg |
| | | Imidachloprid | | 10 µg/kg to 100µg/kg |
| | | Azinphos – methyl | | 10 µg/kg to 100µg/kg |
| | | Oxamyl | | 10 µg/kg to 100µg/kg |
| | | Quinalphos | | 10 µg/kg to 100µg/kg |
| | | Carbofuran | | 10 µg/kg to 100µg/kg |
| | | Propiconazole | | 10 µg/kg to 100µg/kg |
| | | Simazine | | 10 µg/kg to 100µg/kg |
| | | Metribuzin | | 10 µg/kg to 100µg/kg |
| | | 2,4 – D | | MI011-00 Method No. 1B Issue Date 22/11/2014 |
| | | 2,4-DDD | MI011-00 Method No. 1C Issue Date 22/11/2014 | 10 µg/kg to 100µg/kg |
| | | 2,4-DDE | | 10 µg/kg to 100µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Nuts & Oil Seeds | 4,4-DDD | MI011-00 Method No. 1C Issue Date 22/11/2014 | 10 µg/kg to 100µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100µg/kg |
| | | Alpha-HCH | | 10 µg/kg to 100µg/kg |
| | | Beta- HCH | | 10 µg/kg to 100µg/kg |
| | | Delta HCH | | 10 µg/kg to 100µg/kg |
| | | Lindane- Gamma HCH | | 10 µg/kg to 100µg/kg |
| | | Alpha Endosulfan | | 10 µg/kg to 100µg/kg |
| | | Beta Endosulfan | | 10 µg/kg to 100µg/kg |
| | | Endosulfan Sulphate | | 10 µg/kg to 100µg/kg |
| | | Chlorpyrifos | | 10 µg/kg to 100µg/kg |
| | | Phorate Sulfone | | 10 µg/kg to 100µg/kg |
| | | Methyl parathion | | 10 µg/kg to 100µg/kg |
| | | Aldrin | | 10 µg/kg to 100µg/kg |
| | | Dieldrin | | 10 µg/kg to 100µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100µg/kg |
| | | Dichlorvos | 10 µg/kg to 100µg/kg | |
| | | Ethoprophos | 10 µg/kg to 100µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|---------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| 9. | Tea and Coffee Products | | | |
| i) | Tea | Moisture | AOAC 979.12 (19 th Edition): 2012 | 0.1 % to 25% |
| | | Water Extract | ISO 9768: 1994 | 0.5 % to 75% |
| | | Total Ash | ISO 1575: 1987/ IS 13854: 1994 (RA 1999) | 0.10 % to 5% |
| | | Water Soluble Ash | IS 13855: 1993 (RA 1998)/ ISO 1576: 1988 | 0.10% to 75% |
| | | Acid Insoluble Ash | IS 13857: 1993 (RA 1998) / ISO 1577: 1987 | 0.1 % to 5% |
| | | Crude Fibre | ISO 5498: 1981 | 0.5 % to 30% |
| ii) | Coffee | Moisture | IS 2791: 1992/ AOAC 968.11 (19 th Edition): 2012 | 0.1 % to 25% |
| | | Ash | IS 2791:1992/ AOAC 920.93 (19 th Edition): 2012 | 0.1 to 15% |
| | | Acid Insoluble Ash | AOAC 920.93 (19 th Edition): 2012 | 0.1 % to 10% |
| | | Water Soluble Ash | AOAC 920.93(19 th Edition): 2012 | 0.1 % to 10% |
| | | Alkalinity of Soluble Ash in ml of 0.1% HCl | AOAC 920.93(19 th Edition): 2012 | 0.1 ml/g to 10 ml/g |
| | | Aqueous Extracts (Water Extracts) | ISO 9768: 1994 | 0.5 % to 75% |

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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Coffee | Test for Chicory | DGHS Manual 4: 2005 Method No: 1.9.1 | Qualitative (Present/ Absent) |
| | | Solubility in Boiling Water | IS 2791: 1992 | 5 sec to 50 sec |
| | | Solubility in Cold Water | IS 2791: 1992 | 60 sec to 360 sec (1 min to 6 min) |
| | | Caffeine | IS 2791: 1992/ AOAC 979.11 (19 th Edition): 2012 | 0.10 % to 5% |
| | | Total Sugars | AOAC 925.15 (19 th Edition): 2012 | 0.10 % to 30% |
| | | Carbohydrates (By Difference) | AOAC 986.25 (19 th Edition): 2012 | 0.10 % to 90% |
| | | Glucose | MI049-00 Issue Date 22/11/2014 | 0.5 % to 2.5% |
| | | Fructose | | 0.5 % to 2.5% |
| | | Xylose | | 0.5 % to 2.5% |
| | | Sucrose | | 0.5 % to 2.5% |
| | | Protein | AOAC 984.13 (19 th Edition): 2012 | 0.5 % to 25.0 % |
| | | Fat | AOAC 2003.06 (19 th Edition): 2012 | 0.1 % to 80% |
| | | Saturated Fatty Acids | AOAC 996.06/992.25 (19 th Edition): 2012 | 0.1 % to 70% |
| | | Mono Unsaturated Fatty Acids | AOAC 996.06/992.25 (19 th Edition): 2012 | 0.1 % to 40% |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Coffee | Poly Unsaturated Fatty Acids | AOAC 996.06/992.25 (19 th Edition): 2012 | 0.1 % to 20% |
| | | Trans Fatty Acids | AOAC 996.06/992.25 (19 th Edition): 2012 | 0.1 % to 10% |
| | | Fatty Acids | AOAC 996.06/992.25 (19 th Edition): 2012 | 0.1 % to 80% |
| | | Crude Fiber | AOAC 978.10 (19 th Edition): 2012 | 0.5 % to 10% |
| | | Dietary Fiber | AOAC 985.29 (19 th Edition): 2012 | 0.5 % to 40 % |
| | | Cholesterol | AOAC 994.10 (19 th Edition): 2012 | 1 mg/kg to 20 mg/kg |
| | | Chlorogenic acid | AOAC 957.04 (19 th Edition): 2012 | 1 % to 60% |
| | | Acrylamide | MI051-00 Issue Date 22/11/2014 | 10 µg/kg to 1000 µg/kg |

iii) Tea & Coffee

Heavy Metals

| | | |
|---------|--------------------------------------------------------------------------------|----------------------|
| Lead | AOAC 999.11 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| Arsenic | AOAC 986.15 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| Cadmium | AOAC 999.11 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|
| | Tea & Coffee | Mercury | AOAC 971.21 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Copper | AOAC 985.01 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Nickel | AOAC 971.20 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Zinc | AOAC 985.01 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Iron | AOAC 975.03 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 50 mg/kg |
| | | Sodium | AOAC 956.01 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 200 mg/kg |
| | | Potassium | AOAC 985.01 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 200 mg/kg |
| | | Tin | AOAC 980.19 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Antimony | AOAC 964.16 (19 th Edition): 2012 MI023-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Pesticides | | |
| | Ethion | MI008-01 Method No. 2A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg | |
| | Monocrotophos | | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Tea & Coffee | Quinolphos | MI008-01 Method No. 2A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Fenazaquin | | 10 µg/kg to 100 µg/kg |
| | | Methidathion | | 10 µg/kg to 100 µg/kg |
| | | Methyl Parathion | | 10 µg/kg to 100 µg/kg |
| | | Carbaryl, | | 10 µg/kg to 100 µg/kg |
| | | Carbofuran | | 10 µg/kg to 100 µg/kg |
| | | Phorate | | 10 µg/kg to 100 µg/kg |
| | | Metalaxyl | | 10 µg/kg to 100 µg/kg |
| | | Acephate | | 10 µg/kg to 100 µg/kg |
| | | Alachlor | | 10 µg/kg to 100 µg/kg |
| | | Propargite | 10 µg/kg to 100 µg/kg | |
| | | 2,4 – D | MI008-01 Method No. 2B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Dicofol | MI008-01 Method No. 2C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Alpha-HCH | | 10 µg/kg to 100 µg/kg |
| | | Beta- HCH | | 10 µg/kg to 100 µg/kg |
| | | Delta HCH | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Tea & Coffee | Gamma- HCH | MI008-01 Method No. 2C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Bromopropylate | | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin-1 | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin-2 | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin-3 | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin-4 | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | Alpha-Endosulfan | | 10 µg/kg to 100 µg/kg |
| | | Beta-Endosulfan | | 10 µg/kg to 100 µg/kg |
| | | Endosulfan Sulphate | | 10 µg/kg to 100 µg/kg |
| | | Fenitrothion | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Tea & Coffee | Cartap | MI008-01 Method No. 2D Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Ethephon | | 10 µg/kg to 100 µg/kg |
| | | Glyphosate | | 10 µg/kg to 100 µg/kg |
| | | Glufosinate Ammonium | | 10 µg/kg to 100 µg/kg |
| | Aflatoxins | | | |
| | | B1 | MI006-02 Issue Date 22/11/2014 | 1 µg/kg to 20µg/kg |
| | | B2 | | 0.25 µg/kg to 5µg/kg |
| | | G1 | | 1 µg/kg to 20µg/kg |
| | | G2 | | 0.25 µg/kg to 5µg/kg |
| | | Ochratoxin A | MI007-00 Issue Date 22/11/2014 | 1.0 µg/kg to 20 µg/kg |
| | Naturally Occuring Toxins | | | |
| | | Agaric Acid | MI047-00 Issue Date 22/11/2014 | 50 mg/kg to 500 mg/kg |
| | | Hypericin | MI047-00 Issue Date 22/11/2014 | 0.5 mg/kg to 5 mg/kg |
| | | Saffrole | MI047-00 Issue Date 22/11/2014 | 0.5 mg/kg to 10 mg/kg |
| | | Hydrocyanic Acid | AOAC 920.144 (19 th Edition):2012 | 3 mg/kg to 15 mg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------------------------------|--------------------------------|-----------------------------------|--------------------------------------------------------------------------------|----------------------------------------|
| 10. | Feed and Feed Stuffs | Moisture | AOAC 934.01 (19 th Edition): 2012 | 0.1 % to 25% |
| | | Total Ash | AOAC 942.05 (19 th Edition): 2012 | 0.1 % to 10% |
| | | Fat | AOAC 2003.06 (19 th Edition):2012 | 0.1 % to 40% |
| | | Protein | AOAC 984.13 (19 th Edition): 2012 | 0.5 % to 25% |
| | | Crude Fibre | AOAC 978.10 (19 th Edition): 2012 | 0.5 % to 10% |
| | | Acid Insoluble Ash | IS 7874 (part 1): 1975 (RA 1990) | 0.1 % to 5% |
| | | Salt | IS 7874 (part 2): 1975 (RA 2004) | 0.1 % to 5% |
| | | Melamine | MI003-00 Issue Date: 22/11/2014 | 1 µg/kg to 50 µg/kg |
| | | Vitamin A (as Retinal Palmitate) | AOAC 2001.13 (19 th Edition): 2012 / MI032-00 Issue Date 22/11/2014 | 10 IU/100 g to 10000 IU/100 g |
| | | Vitamin D3 (Cholecalciferol) | MI032-00 Issue Date 22/11/2014 | 5 mg/kg to 100 mg/kg |
| Vitamin E (alpha Tocopherol) | MI032-00 Issue Date 22/11/2014 | 0.50 µg/100 g to 10000µg / 100g | | |

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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Feed and Feed Stuffs | Pesticides | | |
| | | Organochlorine Group | | |
| | | Alpha-HCH | MI008-01 Method No. 4B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Beta- HCH | | 10 µg/kg to 100 µg/kg |
| | | Delta HCH | | 10 µg/kg to 100 µg/kg |
| | | Gamma HCH (Lindane) | | 10 µg/kg to 100 µg/kg |
| | | Chordane | | 10 µg/kg to 100 µg/kg |
| | | Endosulfan | | 10 µg/kg to 100 µg/kg |
| | | Dieldrin | | 10 µg/kg to 100 µg/kg |
| | | Hexachlorobenzene | | 10 µg/kg to 100 µg/kg |
| | | Heptachlor | | 10 µg/kg to 100 µg/kg |
| | | Heptachloepoxide | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | Quintozene | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Feed and Feed Stuffs | Organophosphorous Group | | |
| | | Benfuracarb | MI008-01 Method No. 4A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Benomyl | | 10 µg/kg to 100 µg/kg |
| | | Carbaryl | | 10 µg/kg to 100 µg/kg |
| | | Carbofuran | | 10 µg/kg to 100 µg/kg |
| | | Clorhion | | 10 µg/kg to 100 µg/kg |
| | | Diazinon | | 10 µg/kg to 100 µg/kg |
| | | Dimethoate | | 10 µg/kg to 100 µg/kg |
| | | Ethion | | 10 µg/kg to 100 µg/kg |
| | | Fenthion | | 10 µg/kg to 100 µg/kg |
| | | Malathion | | 10 µg/kg to 100 µg/kg |
| | | Methidathion | | 10 µg/kg to 100 µg/kg |
| | | Parathion – methyl | | 10 µg/kg to 100 µg/kg |
| | | Pirimphos – methyl | | 10 µg/kg to 100 µg/kg |
| | | Sulfotep | | 10 µg/kg to 100 µg/kg |
| | | Bromophos ethyl | | 10 µg/kg to 100 µg/kg |
| | | Bromophos methyl | 10 µg/kg to 100 µg/kg | |
| | | Chlorfenvinphos | 10 µg/kg to 100 µg/kg | |

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|--------------|-----------------------------------|--------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Feed and Feed Stuff | Chlorpyrifos | MI008-01 Method No. 4A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos – methyl | | 10 µg/kg to 100 µg/kg |
| | | Fenitrothion | | 10 µg/kg to 100 µg/kg |
| | | Mecarbam | | 10 µg/kg to 100 µg/kg |
| | | Parathion – ethyl | | 10 µg/kg to 100 µg/kg |
| | Pyrethroids | | | |
| | | Allethrin | MI008-01 Method No. 4B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Biallethrin | | 10 µg/kg to 100 µg/kg |
| | | Bifenthrin | | 10 µg/kg to 100 µg/kg |
| | | Cyfluthrin | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100 µg/kg |
| | | Deltamethrin | | 10 µg/kg to 100 µg/kg |
| | | Ethofenprox | | 10 µg/kg to 100 µg/kg |
| | | Fenpropathrin | | 10 µg/kg to 100 µg/kg |
| | | Fenvelerate & Esfenvelerate (Sum of RR,SS Isomers) | | 10 µg/kg to 100 µg/kg |
| | | Fenvelerate & Esfenvelerate (Sum of RS, SR Isomers) | | 10 µg/kg to 100 µg/kg |
| | | Lambda Cyhalothrin | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|
| | Feed and Feed Stuffs | Permethrin | MI008-01 Method No. 4B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Fluvalinate | | 10 µg/kg to 100 µg/kg |
| | | Carbamates | | |
| | | Bendiocarb | MI008-01 Method No. 4B Issue Date 22/11/2014 | 10 µg/kg to 100µg/kg |
| | | Aflatoxin | | |
| | | B1 | MI006-02 Issue Date 22/11/2014 | 1 µg/kg to 20 µg/kg |
| | | B2 | | 0.25 µg/kg to 5 µg/kg |
| | | G1 | | 1 µg/kg to 20µg/kg |
| | | G2 | | 0.25 µg/kg to 5µg/kg |
| | | Heavy Metals | | |
| | | Arsenic | AOAC 986.15(19 th Edition): 2012 MI026-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Lead | AOAC 986.15 (19 th Edition): 2012 MI026-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Cadmium | AOAC 986.15(19 th Edition): 2012 MI026-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Mercury | AOAC 971.21(19 th Edition): 2012 MI026-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------------------------------|------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------|
| 11. | Spices, Condiments & Their Products | Moisture | ASTA: 2011 Method No. 2.0 | 0.1 % to 25.0 % |
| | | Total Ash | ASTA Method 3.0 Revised 1997/ AOAC 941.12(19 th Edition): 2012 | 0.1 % to 10.0 % |
| | | Acid insoluble ash | ASTA Method 4.0 Revised 1997 | 0.1 % to 5.0 % |
| | | Curcumin | ASTA Method 18.0 Revised 1998 | 0.10 % to 10 % |
| | | Starch | ASTA Method 8.0 Revised 1997 | 0.5 % to 80.0 % |
| | | Crude fibre | ASTA Method 7.0 Revised 1997 | 0.5 % to 25.0 % |
| | | Volatile oil | ASTA Method 5.2 Revised 2010 | 0.5 % to 10.0 % |
| | | Colour Value in chilli | ASTA Method 20.1 Revised 2004 | 1 to 250 |
| | | Capsaicin Pungency (SHU) | AOAC 995.03 (19 th Edition): 2012 ASTA Method 21.3 Revised 2004 | 0.005 % to 10% |
| | | Salt | IS 1797: 1985 (RA 2003) | 0.1 % to 5 % |
| Sterilization Residues | | | | |
| | Ethylene Oxide | MI050-00 Issue Date 22/11/2014 ASTA 23.2 Revised 1997 | 1 mg/kg to 10 mg/kg | |
| | Propylene Oxide | | 1 mg/kg to 10mg/kg | |
| | Ethylene Chlorohydrin | | 10 mg/kg to 1000 mg/kg | |
| | Ethylene Glycol | | 100 mg/kg to 1000mg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Spices, Condiments & Their Products | Pesticides | | |
| | | Acephate | MI008-01 Method No. 3A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | 3-hydroxy Carbofuran | | 10 µg/kg to 100 µg/kg |
| | | Azinphos methyl | | 10 µg/kg to 100 µg/kg |
| | | Carbaryl | | 10 µg/kg to 100 µg/kg |
| | | Carbofuran | | 10 µg/kg to 100 µg/kg |
| | | Diazinon | | 10 µg/kg to 100 µg/kg |
| | | Dimethoate | | 10 µg/kg to 100 µg/kg |
| | | Disulfoton | | 10 µg/kg to 100 µg/kg |
| | | Aldicarb | | 10 µg/kg to 100 µg/kg |
| | | Carbendizam | | 10 µg/kg to 100 µg/kg |
| | | Carbosulfan | | 10 µg/kg to 100 µg/kg |
| | | Methiocarb | | 10 µg/kg to 100 µg/kg |
| | | Methomyl | | 10 µg/kg to 100 µg/kg |
| | | Oxamyl | | 10 µg/kg to 100 µg/kg |
| | | Profenophos | | 10 µg/kg to 100 µg/kg |
| | | Triazophos | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Spices, Condiments & Their Products | Ethion | MI008-01 Method No. 3A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Malathion | | 10 µg/kg to 100 µg/kg |
| | | Maloaxon | | 10 µg/kg to 100 µg/kg |
| | | Metalaxyl | | 10 µg/kg to 100 µg/kg |
| | | Methamidophos | | 10 µg/kg to 100 µg/kg |
| | | Omethoate | | 10 µg/kg to 100 µg/kg |
| | | Phenthoate | | 10 µg/kg to 100 µg/kg |
| | | Phorate | | 10 µg/kg to 100 µg/kg |
| | | Phorate sulfoxide | | 10 µg/kg to 100 µg/kg |
| | | Phorate sulfone | | 10 µg/kg to 100 µg/kg |
| | | Phosalone | | 10 µg/kg to 100 µg/kg |
| | | Phosphamidon | | 10 µg/kg to 100 µg/kg |
| | | Pirimiphos methyl | | 10 µg/kg to 100 µg/kg |
| | | Quinalphos | | 10 µg/kg to 100 µg/kg |
| | | Dichlorvos | | 10 µg/kg to 100 µg/kg |
| | | Hexachlorobenzene | | 10 µg/kg to 100 µg/kg |
| | Alpha-HCH | 10 µg/kg to 100 µg/kg | | |
| | Beta-HCH | 10 µg/kg to 100 µg/kg | | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Spices, Condiments & Their Products | Delta-HCH | MI008-01 Method No. 3B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Lindane | | 10 µg/kg to 100 µg/kg |
| | | Pirimicarb | | 10 µg/kg to 100 µg/kg |
| | | Disulfoton | | 10 µg/kg to 100 µg/kg |
| | | Heptachlor | | 10 µg/kg to 100 µg/kg |
| | | Heptachlor epoxide | | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos | | 10 µg/kg to 100 µg/kg |
| | | Parathion ethyl | | 10 µg/kg to 100 µg/kg |
| | | Aldrin | | 10 µg/kg to 100 µg/kg |
| | | Parathion methyl | | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos methyl | | 10 µg/kg to 100 µg/kg |
| | | Fenitrothion | | 10 µg/kg to 100 µg/kg |
| | | Dicofol | | 10 µg/kg to 100 µg/kg |
| | | Vinclozolin | | 10 µg/kg to 100 µg/kg |
| | | Chlordane-cis | | 10 µg/kg to 100 µg/kg |
| | Chlordane- trans | 10 µg/kg to 100 µg/kg | | |
| | 2,4-DDD | 10 µg/kg to 100 µg/kg | | |

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|--------------|------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Spices, Condiments & Their Products | 2,4-DDE | MI008-01 Method No. 3B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | Alpha-Endosulfon | | 10 µg/kg to 100 µg/kg |
| | | Beta-Endosulfon | | 10 µg/kg to 100 µg/kg |
| | | Endosulfon Sulphate | | 10 µg/kg to 100 µg/kg |
| | | Endrin | | 10 µg/kg to 100 µg/kg |
| | | Dieldrin | | 10 µg/kg to 100 µg/kg |
| | | Iprodione | | 10 µg/kg to 100 µg/kg |
| | | Permethrin-1 | | 10 µg/kg to 100 µg/kg |
| | | Permethrin-2 | | 10 µg/kg to 100 µg/kg |
| | | Bifenthrin | | 10 µg/kg to 100 µg/kg |
| | | Captan | | 10 µg/kg to 100 µg/kg |
| | | Cyfluthrin | | 10 µg/kg to 100 µg/kg |
| | Cyhalothrin | 10 µg/kg to 100 µg/kg | | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|------------------------------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Spices, Condiments & Their Products | Methidathion | MI008-01 Method No. 3B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Quintozene | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100 µg/kg |
| | | Fenvalerate | | 10 µg/kg to 100 µg/kg |
| | | Deltamethrin | | 10 µg/kg to 100 µg/kg |
| | Aflatoxins | | | |
| | | B1 | MI006-02 Issue Date 22/11/2014 | 1 µg/kg to 20µg/kg |
| | | B2 | | 0.25 µg/kg to 5µg/kg |
| | | G1 | | 1 µg/kg to 20µg/kg |
| | | G2 | | 0.25 µg/kg to 5µg/kg |
| | | Ochratoxin-A | MI007-00 Issue Date 22/11/2014 | 1.0 µg/kg to 20 µg/kg |
| | Sudan dyes (Chillies) | | | |
| | | Sudan I | MI012-00 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Sudan II | | 10 µg/kg to 100 µg/kg |
| | | Sudan III | | 10 µg/kg to 100 µg/kg |
| | | Sudan IV | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------|
| | Spices, Condiments & Their Products | Heavy Metals | | |
| | | Lead | AOAC 999.11(19 th Edition): 2012 MI020-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Arsenic | AOAC 986.15(19 th Edition): 2012 MI020-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Cadmium | AOAC 999.11(19 th Edition): 2012 MI020-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| | | Mercury | AOAC 971.21(19 th Edition): 2012 MI020-00 Issue Date 22/11/2014 | 0.1 mg/kg to 5 mg/kg |
| 12. | Herbs | Aflatoxin | | |
| | | B1 | MI006-02 Issue Date 22/11/2014 | 1 µg/kg to 20µg/kg |
| | | B2 | | 0.25 µg/kg to 5µg/kg |
| | | G1 | | 1 µg/kg to 20µg/kg |
| | | G2 | | 0.25 µg/kg to 5µg/kg |
| | | Heavy Metals | | |
| | | Lead | AOAC 999.11(19 th Edition): 2012 MI021-00 Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Arsenic | | 10 µg/kg to 100 µg/kg |
| | | Cadmium | | 10 µg/kg to 100 µg/kg |
| | | Mercury | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Herbs | Pesticides | | |
| | | Monocrotophos | MI011-00 Method No. 2A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Ethion | | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos | | 10 µg/kg to 100 µg/kg |
| | | Phorate | | 10 µg/kg to 100 µg/kg |
| | | Phorate Sulfoxide | | 10 µg/kg to 100 µg/kg |
| | | Phorate Sulfone | | 10 µg/kg to 100 µg/kg |
| | | Butachlor | | 10 µg/kg to 100 µg/kg |
| | | Isoproturon | | 10 µg/kg to 100 µg/kg |
| | | Alachlor | | 10 µg/kg to 100 µg/kg |
| | | Atrazine | | 10 µg/kg to 100 µg/kg |
| | | Methyl parathion | | 10 µg/kg to 100 µg/kg |
| | | Methyl Paraoxon | | 10 µg/kg to 100 µg/kg |
| | | Malathion | | 10 µg/kg to 100 µg/kg |
| | | Malaoxon | | 10 µg/kg to 100 µg/kg |
| | | Aldicarb | | 10 µg/kg to 100 µg/kg |
| | | Imidachloprid | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Herbs | Azinphos – methyl | MI011-00 Method No. 2A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Oxamyl | MI008-01 Method No. 3B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Quinalphos | MI011-00 Method No. 2A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Carbofuran | | 10 µg/kg to 100 µg/kg |
| | | Propiconazole | | 10 µg/kg to 100 µg/kg |
| | | Simazine | | 10 µg/kg to 100 µg/kg |
| | | Metribuzin | | 10 µg/kg to 100 µg/kg |
| | | 2,4 – D | MI011-00 Method No. 2B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDD | MI011-00 Method No. 2C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDT | MI011-00 Method No. 2C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Lindane- - Gamma HCH | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Herbs | Alpha-HCH | MI011-00 Method No. 2C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Beta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Delta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Alpha Endosulfan | | 10 µg/kg to 100 µg/kg |
| | | Beta Endosulfan | | 10 µg/kg to 100 µg/kg |
| | | Endosulfan Sulphate | | 10 µg/kg to 100 µg/kg |
| | | Aldrin | | 10 µg/kg to 100 µg/kg |
| | | Dieldrin | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100 µg/kg |
| | | Dichlorvos | | 10 µg/kg to 100 µg/kg |
| | | Ethoprophos | | 10 µg/kg to 100 µg/kg |
| 13. | Processed Foods | Nutritional Labeling | | |
| | | Total Fat | AOAC 932.06 (19 th Edition): 2012 | 0.1% to 50% |
| | | Saturated Fatty Acids | AOAC 996.06/992.2 (19 th Edition): 2012 | 1 % to 100 % |
| | | Mono Unsaturated Fatty Acids | | 1 % to 100 % |
| | | Poly Unsaturated Fatty Acids | | 1 % to 100 % |

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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|
| | Processed Foods | Trans Fatty Acids | AOAC 996.06/992.2 (19 th Edition): 2012 | 1 % to 100 % |
| | | Fatty Acids | | 1 % to 100 % |
| | | Sodium | AOAC 984.27/956.01 (19 th Edition): 2012 | 0.1 mg/kg to 500 mg/kg |
| | | Potassium | | 0.1 mg/kg to 500 mg/kg |
| | | Calcium | | 0.1 mg/kg to 500 mg/kg |
| | | Iron | AOAC 984.27/ 999.11/ 975.03 (19 th Edition): 2012 | 0.1 mg/kg to 50 mg/kg |
| | | Protein | AOAC 991.20/ 920.87/ 984.13 (19 th Edition): 2012 | 0.5 % to 50.0 % |
| | | Total Sugar | AOAC 923.09 (19 th Edition):2012/ DGHS Manual 1,2005 Method No: 9.4 | 0.5 % to 50.0 % |
| | | Total carbohydrate | AOAC 986.25(19 th Edition): 2012 | Qualitative |
| | | Glucose | MI049-00 Issue Date 22/11/2014 | 1 % to 50 % |
| | | Fructose | | 1 % to 50 % |
| | | Sucrose | | 1 % to 50 % |
| | | Dietary fiber | AOAC 985.29 (19 th Edition): 2012 | 0.5 % to 60 % |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|-----------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|
| | Processed Foods | Vitamin-A (as Retinol Palmitate) | AOAC2001.13 (19 th Edition): 2012/ MI032-00 Issue Date 22/11/2014 | 10 IU/100 g to 10000 IU/100 g |
| | | Vitamin-C (Ascorbic acid) | AOAC 985.33 (19 th Edition): 2012 | 2.0 mg/100 g to 1000 mg /100g |
| | | Cholesterol | AOAC 994.10 (19 th Edition): 2012 | 1 mg /kg to 20 mg /kg |
| | | Total Calories (Energy) | By Calculation | 10 Kcal/100 g to 1000 Kcal/100g |
| | | Calories from fat | | 10 Kcal/100 g to 1000 Kcal/100g |
| | | Vitamin D3 (Cholecalciferol) | MI032-00 Issue Date 22/11/2014 | 5.0/100 g to 100 mcg/100g |
| | | Vitamin D2 (Ergocalciferol) | | 5.0 mcg/100g to 100 mcg/100g |
| | | Vitamin-E (alpha Tocopherol) | MI032-00 Issue Date 22/11/2014 | 0.50 mg/100g to 1000 mg /100g |
| | | Vitamin-K (Phylloquinone) | | 10 mcg/100g to 1000 mcg/100g |
| | | Thiamin (Vitamin B1) | MI031-00 Issue Date 22/11/2014 | 0.50 mg/100g to 250 mg/100g |
| | | Riboflavin (Vitamin B2) | | 0.50 mg/100g to 250 mg/100g |

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|--------------|-----------------------------------|--------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------|
| | Processed Foods | Niacin (Vitamin B3) | MI031-00 Issue Date 22/11/2014 | 0.50 mg/100g to 250 mg/100g |
| | | Panthenic Acid (Vitamin B5) | | 0.50 mg/100g to 250 mg/100g |
| | | Pyridoxin (Vitamin B6) | | 0.50 mg/100g to 250 mg/100g |
| | | Biotin (Vitamin B7) | | 10 mcg/100g to 1000 mcg/100g |
| | | Folic Acid (Vitamin B9) | | 10 mcg/100g to 1000 mcg/100g |
| | | Cyanocobalamine (Vitamin B12) | | 1 mcg/100g to 50 mcg/100g |
| | | Phosphorous | AOAC 984.27/985.01 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1 mg /kg to 500 mg /kg |
| | | Magnesium | | 0.1 mg /kg to 500 mg /kg |
| | | Zinc | | 0.1 mg /kg to 50 mg /kg |
| | | Copper | | 0.1 mg /kg to 50 mg /kg |
| | | Lead | AOAC 999.11 (19 th Edition): 2012 / MI022-00 Issue Date 22/11/2014 | 0.1 mg /kg to 5 mg /kg |

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|--------------|-----------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | Processed Foods | Arsenic | IS 11124: 1984 (RA 2003) AOAC 986.15 (19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1 mg /kg to 5 mg /kg |
| | | Tin | IS 2860:1964 (RA 2005) / AOAC 980.19 (19 th Edition): 2012 MI022-00 Clause 17 Issue Date 22/11/2014 | 0.1 mg /kg to 5 mg /kg |
| | | Cadmium | IS 1699: 1995 (RA 2005) AOAC 999.11 (19 th Edition): 2012 MI022-00 Clause 15 Issue Date 22/11/2014 | 0.1 mg /kg to 5 mg /kg |
| | | Mercury | AOAC 971.21(19 th Edition): 2012 MI022-00 Issue Date 22/11/2014 | 0.1 mg /kg to 5 mg /kg |
| | | Selenium | AOAC 986.15 (19 th Edition): 2012 MI002-00 Issue Date 22/11/2014 | 0.1 mg/100g to 5 mg/100g |
| | | Manganese | IS 3025 / AOAC 984.27 (19 th Edition): 2012 MI022-00 Clause 35 Issue Date 22/11/2014 | 0.1 mg/100g to 5 mg /100g |
| | | Chromium | MI022-00 Issue Date 22/11/2014 | 0.1 mg/100g to 5 mg /100g |
| | | Molybdenum | MI054-00 Issue Date 22/11/2014 | 0.2 mg/100g to 4 mg /100g |
| | | Vanadium | | 0.1 mg/100g to 2 mg /100g |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Processed Foods | Chlorides | IS 11763: 2005 (RA 2010)/ ISO 5943: 2004 | 25 mg/100g to 1000 mg/100g |
| | | Amino Acid Profiling | | |
| | | Asartic acid & Asparagine | IM011-00 Issue Date 22/11/2014 | 0.1% to 100% |
| | | Serine | | 0.1% to 100% |
| | | Glutamic acid & Glutamine | | 0.1% to 100% |
| | | Glycine | IM011-00 Issue Date 22/11/2014 | 0.1% to 100% |
| | | Histidine | | 0.1% to 100% |
| | | Arginine | | 0.1% to 100% |
| | | Threonine | | 0.1% to 100% |
| | | Alanine | | 0.1% to 100% |
| | | Proline | | 0.1% to 100% |
| | | Cystine | | 0.1% to 100% |
| | | Tryptophan | MI048-00 Issue Date 22/11/2014 | 0.1 % to 100 % |
| | | Tyrosine | IM011-00 Issue Date 22/11/2014 | 0.1 % to 100 % |
| | | Valine, | | 0.1% to 100% |
| | | Methionine | | 0.1% to 100% |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|-----------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Processed Foods | Lysine | MI011-00 Issue Date 22/11/2014 | 0.1% to 100% |
| | | Isoleucine | | 0.1% to 100% |
| | | Leucine | | 0.1% to 100% |
| | | Phenyl alanine | | 0.1% to 100% |
| | | Naturally Occurring Toxins | | |
| | | Agaric acid | MI047-00 Issue Date 22/11/2014 | 50 mg/kg to 500 mg/kg |
| | | Hypericin | | 0.5 mg/kg to 5 mg/kg |
| | | Saffrole | | 0.5 mg/kg to 10 mg/kg |
| | | Hydrocyanic acid | AOAC 920.144 (19 th Edition): 2012 | 3 mg/kg to 15mg/kg |
| 14. | Tobacco & its products | Metals | | |
| | | Lead | MI053-00 Issue Date 22/11/2014 | 0.2 mg/kg to 10 mg/kg |
| | | Arsenic | | 0.2 mg/kg to 10 mg/kg |
| | | Cadmium | | 0.2 mg/kg to 10 mg/kg |
| | | Mercury | | 0.2 mg/kg to 10 mg/kg |
| | | Zinc | | 0.2 mg/kg to 10 mg/kg |

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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Tobacco & its products | Pesticide Residues | | |
| | | 2,4,5-T | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | 2,4-D | | 25 µg/kg to 5000 µg/kg |
| | | Acephate | | 25 µg/kg to 5000 µg/kg |
| | | Acetamiprid | | 25 µg/kg to 5000 µg/kg |
| | | Acibenzolar-s-methyl | | 25 µg/kg to 5000 µg/kg |
| | | Alachlor | | 25 µg/kg to 5000 µg/kg |
| | | Aldicarb | | 25 µg/kg to 5000 µg/kg |
| | | Aldrin | | 25 µg/kg to 5000 µg/kg |
| | | Azinphos ethyl | | 25 µg/kg to 5000 µg/kg |
| | | Azinphos methyl | | 25 µg/kg to 5000 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Tobacco & its products | Benalaxyl | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Benfluralin | | 25 µg/kg to 5000 µg/kg |
| | | Benomyl | | 25 µg/kg to 5000 µg/kg |
| | | Bifenthrin | | 25 µg/kg to 5000 µg/kg |
| | | Bromophos | | 25 µg/kg to 5000 µg/kg |
| | | Butralin | | 25 µg/kg to 5000 µg/kg |
| | | Camphechlor (Toxaphene) | | 25 µg/kg to 5000 µg/kg |
| | | Captan | | 25 µg/kg to 5000 µg/kg |
| | | Carbaryl | | 25 µg/kg to 5000 µg/kg |
| | | Carbendazim | | 25 µg/kg to 5000 µg/kg |
| | Carbofuran | | 25 µg/kg to 5000 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Tobacco & its products | Chinomethionate | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Chlorantraniliprole | | 25 µg/kg to 5000 µg/kg |
| | | Chlordane | | 25 µg/kg to 5000 µg/kg |
| | | Chlorfenvinphos | | 25 µg/kg to 5000 µg/kg |
| | | Chlorothalonil | | 25 µg/kg to 5000 µg/kg |
| | | Chlorpyrifos | | 25 µg/kg to 5000 µg/kg |
| | | Chlorpyrifos-methyl | | 25 µg/kg to 5000 µg/kg |
| | | Chlorthal-dimethyl | | 25 µg/kg to 5000 µg/kg |
| | | Clomazone | | 25 µg/kg to 5000 µg/kg |
| | | Cyfluthrin | | 25 µg/kg to 5000 µg/kg |
| | | Cyhalothrin | | 25 µg/kg to 5000 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|----------------------------|--------------------------|-------------------------------------------------------------|----------------------------------------|
| | Tobacco & its products | Cymoxanil | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Cypermethrin | | 25 µg/kg to 5000 µg/kg |
| | | Dieldrin | | 25 µg/kg to 5000 µg/kg |
| | | DBCP | | 25 µg/kg to 5000 µg/kg |
| | | DDT (sum of all isomers) | | 25 µg/kg to 5000 µg/kg |
| | | Deltamethrin | | 25 µg/kg to 5000 µg/kg |
| | | Demeton-S-methyl | | 25 µg/kg to 5000 µg/kg |
| | | Diazinon | | 25 µg/kg to 5000 µg/kg |
| | | Dicamba | | 25 µg/kg to 5000 µg/kg |
| | | Dichlorvos | | 25 µg/kg to 5000 µg/kg |
| | Dicloran | | 25 µg/kg to 5000 µg/kg | |

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|-------|-----------------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Tobacco & its products | Diflubenzuron | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Dimefox | | 25 µg/kg to 5000 µg/kg |
| | | Dimethoate | | 25 µg/kg to 5000 µg/kg |
| | | Dimethomorph | | 25 µg/kg to 5000 µg/kg |
| | | Dinocap | | 25 µg/kg to 5000 µg/kg |
| | | Diphenamid | | 25 µg/kg to 5000 µg/kg |
| | | Disulfoton | | 25 µg/kg to 5000 µg/kg |
| | | Dithiocarbantes | | 25 µg/kg to 5000 µg/kg |
| | | Endosulfans | | 25 µg/kg to 5000 µg/kg |
| | | Endrin | | 25 µg/kg to 5000 µg/kg |

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|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Tobacco & its products | Ethoprophos | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Famoxadone | | 25 µg/kg to 5000 µg/kg |
| | | Fenamiphos | | 25 µg/kg to 5000 µg/kg |
| | | Fenchlorphos | | 25 µg/kg to 5000 µg/kg |
| | | Fenitrothion | | 25 µg/kg to 5000 µg/kg |
| | | Fensulfothion | | 25 µg/kg to 5000 µg/kg |
| | | Fenthion | | 25 µg/kg to 5000 µg/kg |
| | | Fenvalerate | | 25 µg/kg to 5000 µg/kg |
| | | Fluazifop-butyl | | 25 µg/kg to 5000 µg/kg |
| | | Flucythrinate | | 25 µg/kg to 5000 µg/kg |
| | Flumetralin | | 25 µg/kg to 5000 µg/kg | |

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|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Tobacco & its products | Folpet | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Fonofos | | 25 µg/kg to 5000 µg/kg |
| | | Formothion | | 25 µg/kg to 5000 µg/kg |
| | | HCH (α) | | 25 µg/kg to 5000 µg/kg |
| | | HCH (β) | | 25 µg/kg to 5000 µg/kg |
| | | HCH (δ) | | 25 µg/kg to 5000 µg/kg |
| | | HCH (γ)-Lindane | | 25 µg/kg to 5000 µg/kg |
| | | Heptachlor | | 25 µg/kg to 5000 µg/kg |
| | | Hexachlorobenzene | | 25 µg/kg to 5000 µg/kg |
| | | Imidacloprid | | 25 µg/kg to 5000 µg/kg |
| | Indoxacarb | 25 µg/kg to 5000 µg/kg | | |

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|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Tobacco & its products | Iprodione | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Isopropalin | | 25 µg/kg to 5000 µg/kg |
| | | Malathion | | 25 µg/kg to 5000 µg/kg |
| | | Maleic hydrazide | | 25 µg/kg to 5000 µg/kg |
| | | Metalaxyl | | 25 µg/kg to 5000 µg/kg |
| | | Methamidophos | | 25 µg/kg to 5000 µg/kg |
| | | Methidathion | | 25 µg/kg to 5000 µg/kg |
| | | Methicarb | | 25 µg/kg to 5000 µg/kg |
| | | Methomyl | | 25 µg/kg to 5000 µg/kg |
| | | Methoprene | | 25 µg/kg to 5000 µg/kg |
| | Methoxychlor | | 25 µg/kg to 5000 µg/kg | |

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|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Tobacco & its products | Mevinphos | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Mirex | | 25 µg/kg to 5000 µg/kg |
| | | Monocrotophos | | 25 µg/kg to 5000 µg/kg |
| | | Naled | | 25 µg/kg to 5000 µg/kg |
| | | Nitrofen | | 25 µg/kg to 5000 µg/kg |
| | | Omethoate | | 25 µg/kg to 5000 µg/kg |
| | | Oxadixyl | | 25 µg/kg to 5000 µg/kg |
| | | Oxamyl | | 25 µg/kg to 5000 µg/kg |
| | | Parathion ethyl | | 25 µg/kg to 5000 µg/kg |
| | | Parathion methyl | | 25 µg/kg to 5000 µg/kg |
| | Pebulate | | 25 µg/kg to 5000 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Tobacco & its products | Penconazole | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Pendimethalin | | 25 µg/kg to 5000 µg/kg |
| | | Permethrin | | 25 µg/kg to 5000 µg/kg |
| | | Phorate | | 25 µg/kg to 5000 µg/kg |
| | | Phosalone | | 25 µg/kg to 5000 µg/kg |
| | | Phsophamidon | | 25 µg/kg to 5000 µg/kg |
| | | Phoxim | | 25 µg/kg to 5000 µg/kg |
| | | Piperonyl butoxide | | 25 µg/kg to 5000 µg/kg |
| | | Pirimicarb | | 25 µg/kg to 5000 µg/kg |
| | | Pirimiphos methyl | | 25 µg/kg to 5000 µg/kg |
| | Profenofos | | 25 µg/kg to 5000 µg/kg | |

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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Tobacco & its products | Propoxur | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Pymetrozine | | 25 µg/kg to 5000 µg/kg |
| | | Pyrethrins | | 25 µg/kg to 5000 µg/kg |
| | | Tefluthrin | | 25 µg/kg to 5000 µg/kg |
| | | Terbufos | | 25 µg/kg to 5000 µg/kg |
| | | Tetrachlorvinphos | | 25 µg/kg to 5000 µg/kg |
| | | Thiamethoxam | | 25 µg/kg to 5000 µg/kg |
| | | Thiodicarb | | 25 µg/kg to 5000 µg/kg |
| | | Thionazin | | 25 µg/kg to 5000 µg/kg |
| | | Thiophanate-methyl | | 25 µg/kg to 5000 µg/kg |
| | | Trialomethrin | | 25 µg/kg to 5000 µg/kg |

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|------------------|----------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Tobacco & its products | Trichlorfon | MI052-00 Issue Date 22/11/2014 | 25 µg/kg to 5000 µg/kg |
| | | Trifluralin | | 25 µg/kg to 5000 µg/kg |
| | | Vamidothion | | 25 µg/kg to 5000 µg/kg |
| II. WATER | | | | |
| 1. | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | Colour | IS 3025 (Part 4): 1983 (RA 2006) | 1.0 Pt Co units to 50.0 Pt. Co units |
| | | Odour | IS 3025 (Part 5): 1983 (RA 2006) | Qualitative (Agreeable / disagreeable) |
| | | Taste | IS 3025 (Part 7 and 8): 1984 (RA 2006) | Qualitative (Agreeable / disagreeable) |
| | | Turbidity | IS 3025 (Part 10): 1984 (RA 2002) | 1.0 NTU to 100 NTU |
| | | Total Dissolved Solids | IS 3025 (Part 15): 1984 (RA 2006) | 1.0 mg/l to 5000 mg/l |
| | | pH | IS 3025 (Part 11): 1983 (RA 2006) | 1 to 12 |
| | | Nitrate(as NO ₃) | APHA (22 nd Edition) 4500-NO ₃ B: 2012 | 1 mg/l to 50 .0 mg/l |
| | | Nitrite (as NO ₂) | APHA (22 nd Edition) 4500-B: 2012 | 0.01 mg/l to 50 .0 mg/l |

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|--------------|----------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | Sulphide (as H ₂ S) | IS 3025 (Part 29): 1986 (RA 2009) | 0.01 mg/l to 50.0 mg/l |
| | | Manganese (as Mn) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Copper (as Cu) | | 0.01 mg/l to 10.0 mg/l |
| | | Aluminium (as Al) | | 0.01 mg/l to 10.0 mg/l |
| | | Zinc (as Zn) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Fluoride (as F) | APHA (22 nd Edition) 4500-FD: 2012 | 0.1 mg/l to 10.0 mg/l |
| | | Barium (as Ba) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Antimony (as Sb) | | 0.005 mg/l to 10.0 mg/l |
| | | Boron/ Borates (as B) | | 0.01 mg/l to 10.0 mg/l |
| | | Silver (as Ag) | | 0.01 mg/l to 10.0 mg/l |
| | Chloride (as Cl) | | IS 3025 (Part 32): 1988 (RA 2009) | 1.0 mg/l to 5000 mg/l |

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|--------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------|
| | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | Sulphate (as SO ₄) | IS 3025 (Part 24): 1986 (RA 2009) | 5 mg/l to 100 mg/l |
| | | Magnesium (as Mg) | APHA (22 nd Edition) 3120-B: 2012 | 0.1 mg/l to 100.0 mg/l |
| | | Calcium (as Ca) | | 0.1 mg/l to 100.0 mg/l |
| | | Iron (as Fe) | | 0.01 mg/l to 10.0 mg/l |
| | | Sodium(as Na) | | 0.1 mg/l to 100.0 mg/l |
| | | Alkalinity(as HCO ₃ / CaCO ₃) | IS 3025 (Part 23): 1986 (RA 2003) | 1.0 mg/l to 1000 mg/l |
| | | Total Hardness (as CaCO ₃) | IS 3025 (Part 21): 2009 | 1.0 mg/l to 5000 mg/l |
| | | Selenium (as Se) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Mineral Oil | IS 3025 (Part 39): 2004 (RA 2009) | Qualitative (Present/Absent) |
| | | Phenolic compounds (as C ₆ H ₅ OH) | IS 3025 (Part 43): 1992 (RA 2009) | Qualitative (Present/Absent) 0.001 mg/l to 1.0 mg/l |

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|--------------|----------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | Residual Free Chlorine | IS 3025 (Part 26): 1986 (RA 2003) | 0.1 mg/l to 100 mg/l |
| | | Anionic detergents (as MBAS) | IS 13428: 2005 (RA 2009) Annexure K | 0.1 mg/l to 10.0 mg/l |
| | | Arsenic (as As) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 1 mg/l |
| | | Cadmium (as Cd) | APHA (22 nd Edition) 3120-B: 2012 | 0.001 mg/l to 1 mg/l |
| | | Cyanide (as CN) | IS 3025 (Part 27): 1986 (RA 2009) | 0.05 mg/l to 5.0 mg/l |
| | | Chromium (as Cr) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Mercury (as Hg) | IS 3025 (Part 48): 1994 | 0.001 mg/l to 1 mg/l |
| | | Lead (as Pb) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 1 mg/l |
| | | Nickel (as Ni) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Ammonia | IS 3025 (Part 34): 1988 | 0.1 mg/l to 10 mg/l |
| | | Chloramines (as Cl ₂) | IS 3025 (Part 26): 1986 | 1 mg/l to 50 mg/l |
| | | Molybdenum (as Mo) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | Trihalomethanes | | |
| | | Bromoform | APHA (22 nd Edition) 6232: 2012 | 0.005 mg/l to 0.5 mg/l |
| | | Dibromochloromethane | | 0.005 mg/l to 0.5 mg/l |
| | | Bromodichloromethane | | 0.005 mg/l to 0.5 mg/l |
| | | Chloroform | | 0.005 mg/l to 0.5 mg/l |
| | | Poly Chlorinate Biphenyls (PCB) | | |
| | | 2-chloro bi phenyl | MI015-00 Method No. 3 Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | 3,3-Di chloro bi phenyl | | 0.01 µg/l to 100 µg/l |
| | | 2,4,5-Tri chloro bi phenyl | MI015-00 Method No. 3 Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | 2,2,4,4-Tetra chloro bi phenyl | | 0.01 µg/l to 100 µg/l |
| | 2,3,4,5,6-Penta chloro bi phenyl | | 0.01 µg/l to 100 µg/l | |
| | 2,2,3,3,6,6-Hexa chloro bi phenyl | | 0.01 µg/l to 100 µg/l | |
| | 2,2,3,4,5,5,6-Hepta chloro bi phenyl | | 0.01 µg/l to 100 µg/l | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|----------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------|----------------------------------------|
| | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | 2,2,3,3,4,4,5,6-Octa chloro bi phenyl | MI015-00 Method No. 2 Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | 2,2,3,3,4,4,5,5,6-Nona chloro bi phenyl | | 0.01 µg/l to 100 µg/l |
| | | 2,2,3,3,4,4,5,5,6,6-Deca chloro bi phenyl | | 0.01 µg/l to 100 µg/l |
| | | Polynuclear aromatic hydrocarbons | | 0.01 µg/l to 100 µg/l |
| | | Napthalene, | | 0.01 µg/l to 100 µg/l |
| | | Anthracene | | 0.01 µg/l to 100 µg/l |
| | | Phenanthrene | | 0.01 µg/l to 100 µg/l |
| | | Chrysene | | 0.01 µg/l to 100 µg/l |
| | | benzo (a) anthracene | | 0.01 µg/l to 100 µg/l |
| | | Fluoranthene | | 0.01 µg/l to 100 µg/l |
| | | benzo (a) pyrene | | 0.01 µg/l to 100 µg/l |
| | | benzo (K) fluoranthene | | 0.01 µg/l to 100 µg/l |
| | | indeno (1, 2, 3-cd) pyrene | | 0.01 µg/l to 100 µg/l |
| | benzo (ghi) perylene | | 0.01 µg/l to 100 µg/l | |

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|--------------|----------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | Acenaphthylene | MI015-00 Method No. 2 Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | Acenaphthene | | 0.01 µg/l to 100 µg/l |
| | | Fluorene | | 0.01 µg/l to 100 µg/l |
| | | Pyrene | | 0.01 µg/l to 100 µg/l |
| | | benzo (b) fluoranthene | | 0.01 µg/l to 100 µg/l |
| | | dibenzo(a,h) anthracene | | 0.01 µg/l to 100 µg/l |
| | Pesticides | | | |
| | | α – HCH | MI015-00 Method No.1C Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | β – HCH | | 0.01 µg/l to 100 µg/l |
| | | δ - HCH | | 0.01 µg/l to 100 µg/l |
| | | γ - HCH (Lindane) | | 0.01 µg/l to 100 µg/l |
| | | 2,4-DDD | | 0.01 µg/l to 100 µg/l |
| | | 2,4-DDE | | 0.01 µg/l to 100 µg/l |
| | | 2,4-DDT | | 0.01 µg/l to 100 µg/l |
| | | 4,4-DDD | | 0.01 µg/l to 100 µg/l |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|---------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------|------------------------------------------------|
| | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | 4,4-DDE | MI015-00 Method No.1C Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | 4,4-DDT | | 0.01 µg/l to 100 µg/l |
| | | Endosulphan –α | | 0.01 µg/l to 100 µg/l |
| | | Endosulphan-β | | 0.01 µg/l to 100 µg/l |
| | | Endosulphan-sulphate | | 0.01 µg/l to 100 µg/l |
| | | Monocrotophos | | MI015-00 Method No.1A Issue Date 22/11/2014 |
| | | Ethion | 0.01 µg/l to 100 µg/l | |
| | | Chlorpyrifos | | 0.01 µg/l to 100 µg/l |
| | | Phorate | | 0.01 µg/l to 100 µg/l |
| | | Phorate sulphoxide | | 0.01 µg/l to 100 µg/l |
| | | Phorate sulphone | | 0.01 µg/l to 100 µg/l |
| | | 2,4-D | MI015-00 Method No.1B Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | Butachlor | MI015-00 Method No.1A Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | Isoproturon | | 0.01 µg/l to 100 µg/l |
| | | Alachor | | 0.01 µg/l to 100 µg/l |
| | | Atrazine | | 0.01 µg/l to 100 µg/l |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|----------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Packaged Natural Mineral Water, Packaged Drinking Water, Potable Drinking Water | Methyl parathion (Methyl paraoxon) | MI015-00 Method No.1A Issue Date 22/11/2014 | 0.01 µg/l to 100 µg/l |
| | | Malathion | | 0.01 µg/l to 100 µg/l |
| | | Malaaxon | | 0.01 µg/l to 100 µg/l |
| | | Aldrin | | 0.01 µg/l to 100 µg/l |
| | | Dialdrin | | 0.01 µg/l to 100 µg/l |
| 2. | Quality tolerances for water for processed food industry | Colour | IS 3025 (Part 4): 1983 (RA 2006) | 1.0 Pt.Co units to 100.0 Pt.Co units |
| | | Turbidity | IS 3025 (Part 4): 1983 (RA 2006) | 1.0 NTU to 100 NTU |
| | | Odour | IS 3025 (Part 5): 1983 (RA 2006) | Qualitative (Agreeable / disagreeable) |
| | | pH | IS 3025 (Part 11): 1983 (RA 2006) | 1 to 12 |
| | | Total Solids | IS 3025 (Part 15): 1984 (RA 2009) | 1.0 mg/l to 5000 mg/l |
| | | Total Hardness (as CaCO ₃) | IS 3025 (Part 21): 2009 | 1.0 mg/l to 5000 mg/l |
| | Sulphate (as SO ₄) | IS 3025 (Part 24): 1986 (RA 2009) | 5 mg/l to 100 mg/l | |
| | Fluoride (as F) | APHA (22 nd Edition) 4500-F'D: 2012 | 0.1 mg/l to 10 mg/l | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Quality tolerances for water for processed food industry | Chloride (as Cl) | IS 3025 (Part 32): 1988 (RA 2009) | 1.0 mg/l to 5000 mg/l |
| | | Cyanide (as CN) | IS 3025 (Part 27): 1986 (RA 2009) | 0.05 mg/l to 5.0 mg/l |
| | | Selenium (as Se) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Iron (as Fe) | | 0.01 mg/l to 10.0 mg/l |
| | | Magnesium (as Mg) | | 1.0 mg/l to 1000 mg/l |
| | | Manganese (as Mn) | | 0.01 mg/l to 10.0 mg/l |
| | | Copper (as Cu) | | 0.01 mg/l to 10.0 mg/l |
| | | Lead (as Pb) | | 0.01 mg/l to 10.0 mg/l |
| | | Cadmium (as Cd) | | 0.001 mg/l to 10.0 mg/l |
| | | Mercury (as Hg) | IS 3025 (Part 48): 1994 (RA 2009) | 0.001 mg/l to 1 mg/l |
| | Chromium (as Cr) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|------------------|-----------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Quality tolerances for water for processed food industry | Zinc (as Zn) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Arsenic (as As) | APHA (22 nd Edition) 3120-B: 2012 | 0.01 mg/l to 10.0 mg/l |
| | | Nitrate(as NO ₃) | IS 3025 (Part 34): 1998 (RA 2009) | 1 mg/l to 50 mg/l |
| | | Phenolic compounds (as C ₆ H ₅ OH) | IS 3025 (Part 43): 1992 (RA 2009) | 0.001 mg/l to 1.0 mg/l |
| III. SOIL | | | | |
| 1. Soil | | Electrical Conductivity | IS 14767: 2000 (RA 2010) | 5 µS to 500 µS |
| | | pH | IS 2720 (Part 26): 1987 (RA 2002) | 1 to 12 |
| | | Heavy Metals | | |
| | | Lead | EPA 3050B: 1996 Revision 2 | 0.5 mg/kg to 500 mg/kg |
| | | Arsenic | | 0.5 mg/kg to 500 mg/kg |
| | | Cadmium | | 0.5 mg/kg to 500 mg/kg |
| | | Mercury | | 0.5 mg/kg to 500 mg/kg |
| | | Copper | | 0.5 mg/kg to 500 mg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Soil | Iron | EPA 3050B: 1996 Revision 2 | 0.5 mg/kg to 500 mg/kg |
| | | Tin | | 0.5 mg/kg to 500 mg/kg |
| | | Manganese | | 0.5 mg/kg to 500 mg/kg |
| | | Chromium | | 0.5 mg/kg to 500 mg/kg |
| | | Nickel | | 0.5 mg/kg to 500 mg/kg |
| | | Calcium | | 0.5 mg/kg to 500 mg/kg |
| | | Sodium | | 0.5 mg/kg to 500 mg/kg |
| | | Potassium | | 0.5 mg/kg to 500 mg/kg |
| | | Magnesium | | 0.5 mg/kg to 500 mg/kg |
| | | Selenium | | 0.5 mg/kg to 500 mg/kg |
| | | Boron | AOAC 985.01: 1988 | 0.5 mg/kg to 500 mg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Soil | Nitrogen | IS 14684: 1999 (RA 2008) | 0.5 mg/kg to 500 mg/kg |
| | | Phosphorous | AOAC 985.01 (19 th Edition): 2012 | 0.5 mg/kg to 500 mg/kg |
| | | Molybdenum | EPA 3050B: 1996 Revision 2 | 0.5 mg/kg to 500 mg/kg |
| | | Antimony | | 0.5 mg/kg to 500 mg/kg |
| | | Pesticide Residues | | |
| | | Carbaryl | MI004-01 Method No. 3A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Diazinon | | 10 µg/kg to 100 µg/kg |
| | | Malathion | | 10 µg/kg to 100 µg/kg |
| | | Phosphomidon | | 10 µg/kg to 100 µg/kg |
| | | Ethion | | 10 µg/kg to 100 µg/kg |
| | | Monocrotophos | | 10 µg/kg to 100 µg/kg |
| | | Paraquat Dichloride | | 10 µg/kg to 100 µg/kg |
| | | Phosalone | | 10 µg/kg to 100 µg/kg |
| | | Trichlorfon | | 10 µg/kg to 100 µg/kg |
| | | Thiometon | | 10 µg/kg to 100 µg/kg |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|-------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Soil | Atrazine | MI004-01 Method No. 3A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Carbendazim& Benomyl | | 10 µg/kg to 100 µg/kg |
| | | Carbofuran | | 10 µg/kg to 100 µg/kg |
| | | Edifenphos | | 10 µg/kg to 100 µg/kg |
| | | Fenthion | | 10 µg/kg to 100 µg/kg |
| | | Phenthoate | | 10 µg/kg to 100 µg/kg |
| | | Phorate | | 10 µg/kg to 100 µg/kg |
| | | Simazine | | 10 µg/kg to 100 µg/kg |
| | | Pirimphos methyl | | 10 µg/kg to 100 µg/kg |
| | | Alachlor | | 10 µg/kg to 100 µg/kg |
| | | Metalaxyl | | 10 µg/kg to 100 µg/kg |
| | | Oxydemeton methyl (demeton-s-methyl sulfone) | | 10 µg/kg to 100 µg/kg |
| | | Quinolphos | | 10 µg/kg to 100 µg/kg |
| | | Triazophos | | 10 µg/kg to 100 µg/kg |
| | | Tridemorph | | 10 µg/kg to 100 µg/kg |
| | | Imidachloprid | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| | Soil | Pendimethalin | MI004-01 Method No. 3A Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Propiconazole | | 10 µg/kg to 100 µg/kg |
| | | 2,4 – D | MI004-01 Method No.3B Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Diuron | | 10 µg/kg to 100 µg/kg |
| | | MCPA | | 10 µg/kg to 100 µg/kg |
| | | Cartap hydrochloride | MI004-01 Method No. 3C Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Aldrin | MI004-01 Method No. 3D Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Dieldrin | | 10 µg/kg to 100 µg/kg |
| | | Chlordane | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 2,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDD | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDE | | 10 µg/kg to 100 µg/kg |
| | | 4,4-DDT | | 10 µg/kg to 100 µg/kg |
| | | Dichlorvos | | 10 µg/kg to 100 µg/kg |

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|-------|----------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------|
| | Soil | Endosulfan | MI004-01 Method No. 3D Issue Date 22/11/2014 | 10 µg/kg to 100 µg/kg |
| | | Fenitrothion | | 10 µg/kg to 100 µg/kg |
| | | Heptachlor | | 10 µg/kg to 100 µg/kg |
| | | Alpha-HCH | | 10 µg/kg to 100 µg/kg |
| | | Beta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Delta-HCH | | 10 µg/kg to 100 µg/kg |
| | | Gamma-HCH | | 10 µg/kg to 100 µg/kg |
| | | Pyrethrins | | 10 µg/kg to 100 µg/kg |
| | | Chlorfenvinphos | | 10 µg/kg to 100 µg/kg |
| | | Chlorpyrifos | | 10 µg/kg to 100 µg/kg |
| | | Cypermethrin | | 10 µg/kg to 100 µg/kg |
| | | Deltamethrin | | 10 µg/kg to 100 µg/kg |
| | | Bitertanol | | 10 µg/kg to 100 µg/kg |
| | | Permethrin | | 10 µg/kg to 100 µg/kg |
| | | Iprodione | | 10 µg/kg to 100 µg/kg |
| | | Trifluralin | 10 µg/kg to 100 µg/kg | |

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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------|-------------------------------|-------------------------|-------------------------------------------------------------------|-------------------------------------------|
| | Soil | Dithiocarbamates | MI016-00 Issue Date 22/11/2014 | 1 mg/kg to 5 mg/kg |

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*NOTE: The Laboratory has demonstrated competence for the stated scope for **WATER**. This however **does not fully cover** the specification requirements of **BIS for the Packaged Drinking Water as per IS:14543 and the Packaged Natural Mineral Water as per IS:13428**.