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| Laboratory | Pesticide Residue Laboratory, Tea Research Association, 113 Park Street, 9th Floor, Kolkata, West Bengal | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Chemical Testing | Issue Date | 31.10.2014 |
| Certificate Number | T-2359 | Valid Until | 30.10.2016 |
| Last Amended on | - | Page | 1 of 9 |

| 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 & AGRICULTURAL PRODUCTS | | | |
| 1. | Tea | Organochlorines | | |
| | | α -HCH | TRA-KOL/PRLAB/ SCOPE/SOP 04 Issue 01 (1.6.2011) | 0.01 mg/kg to 200 mg/kg |
| | | β -HCH | | 0.01 mg/kg to 200 mg/kg |
| | | γ -HCH | | 0.01 mg/kg to 200 mg/kg |
| | | δ -HCH | | 0.01 mg/kg to 200 mg/kg |
| | | p,p-DDT | | 0.01 mg/kg to 200 mg/kg |
| | | o,p-DDT | | 0.01 mg/kg to 200 mg/kg |
| | | p,p-DDD | | 0.05 mg/kg to 500 mg/kg |
| | | o,p-DDD | | 0.05 mg/kg to 500 mg/kg |
| | | p,p-DDE | | 0.01 mg/kg to 500 mg/kg |
| | | o,p-DDE | | 0.01 mg/kg to 500 mg/kg |

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|-------|----------------------------|-------------------------|---|--|
| | Tea | Aldrin | TRA-KOL/PRLAB/ SCOPE/SOP 04 Issue 01 (1.6.2011) | 0.02 mg/kg to 500 mg/kg |
| | | Dicofol | | 0.05 mg/kg to 500 mg/kg |
| | | Dieldrin | | 0.01 mg/kg to 500 mg/kg |
| | | Endosulfan Sulphate | | 0.01 mg/kg to 500 mg/kg |
| | | Endrin | | 0.01 mg/kg to 500 mg/kg |
| | | Heptachlor | | 0.01 mg/kg to 500 mg/kg |
| | | Heptachlor Epoxide | | 0.01 mg/kg to 500 mg/kg |
| | | α -chlordane | | 0.01 mg/kg to 500 mg/kg |
| | | α -Endosulfan | | 0.01 mg/kg to 500 mg/kg |
| | | γ -Chlordane | | 0.01 mg/kg to 500 mg/kg |
| | | β -Endosulfan | | 0.01 mg/kg to 500 mg/kg |

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|-------|----------------------------|-------------------------|---|--|
| | Tea | Hexachlorobenzene | TRA-KOL/PRLAB/ SCOPE/SOP 04 Issue 01 (1.6.2011) | 0.01 mg/kg to 500 mg/kg |
| | | Organophosphates | | |
| | | Ethion | TRA-KOL/PRLAB/ SCOPE/SOP 02 Issue 01 (1.6.2011) | 0.02 mg/kg to 500 mg/kg |
| | | Chlorpyriphos | | 0.01 mg/kg to 500 mg/kg |
| | | Diazinon | | 0.02 mg/kg to 500 mg/kg |
| | | Fenitrothion | | 0.01 mg/kg to 500 mg/kg |
| | | Phosalone | | 0.01 mg/kg to 500 mg/kg |
| | | Acephate | | 0.01 mg/kg to 500 mg/kg |
| | | Dimethoate | | 0.02 mg/kg to 500 mg/kg |
| | | Malathion | | 0.02 mg/kg to 500 mg/kg |
| | | Methamidophos | | 0.02 mg/kg to 500 mg/kg |

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|--------------|-----------------------------------|--------------------------------|--|---|
| | Tea | Monocrotophos | TRA-KOL/PRLAB/ SCOPE/SOP 02 Issue 01 (1.6.2011) | 0.01 mg/kg to 500 mg/kg |
| | | Omethoate | | 0.02 mg/kg to 500 mg/kg |
| | | Phosphamidon | | 00.02 mg/kg to 500 mg/kg |
| | | Profenophos | TRA-KOL/PRLAB/ SCOPE/SOP 04 Issue 01 (1.6.2011) | 0.01 mg/kg to 500 mg/kg |
| | | Quinalphos | | 00.02 mg/kg to 500 mg/kg |
| | | Synthetic Pyrethroides | | |
| | | Alphamethrin | | 0.05 mg/kg to 500 mg/kg |
| | | Bifenthrin | | 0.01 mg/kg to 500 mg/kg |
| | | Cypermethrin | | 0.05 mg/kg to 500 mg/kg |
| | | Deltamethrin | | 0.05 mg/kg to 500 mg/kg |
| | | Etofenprox | | 0.01 mg/kg to 500 mg/kg |
| | | Fenpropathrin | | 00.02 mg/kg to 500 mg/kg |

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|--------------|-----------------------------------|--------------------------------|--|---|
| | Tea | Fenvalerate | TRA-KOL/PRLAB/ SCOPE/SOP 04 Issue 01 (1.6.2011) | 00.02 mg/kg to 500 mg/kg |
| | | Flucythrinate | | 00.02 mg/kg to 500 mg/kg |
| | | Fluvalinate | | 0.01 mg/kg to 500 mg/kg |
| | | Lambda-cyhalothrin | | 0.05 mg/kg to 500 mg/kg |
| | | β -cyfluthrin | | 0.05 mg/kg to 500 mg/kg |
| | | Neonicotinoides | | |
| | | Acetamiprid | TRA-KOL/PRLAB/ SCOPE/SOP 02 Issue 01 (1.6.2011) | 00.02 mg/kg to 500 mg/kg |
| | | Clothianidin | | 00.02 mg/kg to 500 mg/kg |
| | | Imidacloprid | | 0.01 mg/kg to 500 mg/kg |
| | | Thiacloprid | | 0.01 mg/kg to 500 mg/kg |
| | | Thiamethoxam | | 0.05 mg/kg to 500 mg/kg |

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|-------|----------------------------|-------------------------|---|--|
| | Tea | Others | TRA-KOL/PRLAB/ SCOPE/SOP 02 Issue 01 (1.6.2011) | |
| | | Abamectin | | 0.02 mg/kg to 500 mg/kg |
| | | Azadirachtin | | 0.01 mg/kg to 500 mg/kg |
| | | Procymidone | | 0.05 mg/kg to 500 mg/kg |
| | | Propargite | | 0.05 mg/kg to 500 mg/kg |
| | | Oxyflourfen | | 0.01 mg/kg to 500 mg/kg |
| | | Clorothalonil | | 0.01 mg/kg to 500 mg/kg |
| | | Propiconazole | TRA-KOL/PRLAB/ SCOPE/SOP 02 Issue 01 (1.6.2011) | 0.05 mg/kg to 500 mg/kg |
| | | Diuron | | 0.05 mg/kg to 500 mg/kg |
| | | Indoxacarb | | 0.05 mg/kg to 500 mg/kg |
| | | Trifloxystrobin | | 0.02 mg/kg to 500 mg/kg |
| | | Flubendiamide | | 0.05 mg/kg to 500 mg/kg |

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|-------|----------------------------|-------------------------|---|--|
| | Tea | Simazine | TRA-KOL/PRLAB/ SCOPE/SOP 02 Issue 01 (1.6.2011) | 0.02 mg/kg to 500 mg/kg |
| | | Spiromesifen | | 0.02 mg/kg to 500 mg/kg |
| | | Tebuconazole | | 0.02 mg/kg to 500 mg/kg |
| | | Carbendazim | | 0.02 mg/kg to 500 mg/kg |
| | | Enamectin benzoate | | 0.02 mg/kg to 500 mg/kg |
| | | Hexaconazole | | 0.02 mg/kg to 500 mg/kg |
| | | Diflubenzuron | | 0.05 mg/kg to 500 mg/kg |
| | | 2,4-D | | 0.05 mg/kg to 500 mg/kg |
| | | Nicotine | TRA-KOL/PRLAB/ SCOPE/SOP 10 Issue 01 (1.6.2011) | 0.01 mg/kg to 500 mg/kg |
| | | Hexythiazox | TRA-KOL/PRLAB/ SCOPE/SOP 11 Issue 01 (1.6.2011) | 0.05 mg/kg to 500 mg/kg |
| | | Fenpyroximate | | 00.02 mg/kg to 500 mg/kg |
| | | Fenazaquin | | 00.02 mg/kg to 500 mg/kg |

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| | Tea | Carbamates | | |
| | | Carbaryl | TRA-KOL/PRLAB/ SCOPE/SOP 02 Issue 01 (1.6.2011) | 0.02 mg/kg to 500 mg/kg |
| | | Carbufuran | | 0.02 mg/kg to 500 mg/kg |
| | | Chlorfenvinphos | | 0.05 mg/kg to 500 mg/kg |
| | | Terbuthylazine | | 0.05 mg/kg to 500 mg/kg |
| | | Fenpropimorph | | 0.05 mg/kg to 500 mg/kg |
| | | Linuron | | 0.05 mg/kg to 500 mg/kg |
| | | Methomyl | | 0.05 mg/kg to 500 mg/kg |
| | | Phenthoate | | 0.05 mg/kg to 500 mg/kg |
| | | Pirimiphos ethyl | | 0.05 mg/kg to 500 mg/kg |
| | | Pirimiphos methyl | | 0.05 mg/kg to 500 mg/kg |
| | | Pyridaben | | 0.05 mg/kg to 500 mg/kg |

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| | Tea | Pyrimethanil | TRA-KOL/PRLAB/SCOPE/SOP 02 Issue 01 (1.6.2011) | 0.05 mg/kg to 500 mg/kg |
| | | Tolfenpyrad | | 0.05 mg/kg to 500 mg/kg |
| | | Total Ash | Lab Manual 4 DGHS Method 5.3 (2005) | (1 to 20) % by mass |
| | | Acid Insoluble Ash | Lab Manual 4 DGHS Method 5.5 (2005) | (0.05 to 5) % by mass |
| | | Alkalinity of Water Soluble Ash | Lab Manual 4 DGHS Method 5.7 (2005) | (0.1 to 10) % by mass |
| | | Water Soluble Ash of Total Ash | Lab Manual 4 DGHS Method 5.4 (2005) | (5 to 80) % by mass |
| | Tea | Water Soluble Extract | Lab Manual 4 DGHS Method 5.6 (2005) | (5 to 80) % by mass |
| | | Crude Fibre Content | Lab Manual 4 DGHS Method 5.8 (2005) | (5 to 80) % by mass |
| | | Moisture Content | Lab Manual 4 DGHS Method 5.2 (2005) | (0.5 to 60 %) by mass |
| | | Iron Filings | Lab Manual 4 DGHS Method 5.9 (2005) | 10 mg/kg to 5000 mg/kg |

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