



INSTRUMENTS LIST

Instrument	Test Parameter
LC-MS-MS	Nitrofuram, Chloramphenicol, β -Agonist, Melamine
PCR	Halal Testing GMO
Gas Chromatography - Mass Spectrometer (GC-MS)	Pesticide Residue 3 - MCPD Organic Solvent Formaldehyde
Gas Chromatography - Headspace	Organic Solvent Total Petroleum Hydrocarbon (TPH) VOC
Gas Chromatography - FID/ECD/FPD Detector	Fatty Acid Composition, Trans Fat, EPA, DHA, Omega 3, Omega 6, Gamma Linoleic Acid, Antioxidants (BHA, BHT), Alcohol, Essential Oil (Nutmeg Oil, Eucalyptus Oil, Methyl Salicylate, Peppermint Oil) Pesticide A.I (Insecticide / Herbicide) Pharmaceutical (Terpin Hydrate & etc)
High Performance Liquid Chromatography Accessories:- Refractive Index Detector Variable UV Detector Fluorescence Detector Diode Array Detector	Sugar Profile (Sucrose, Glucose, Fructose, Maltose, Lactose, etc) Vitamins (A, B and B Complex, C, D3, E, K, etc) Preservatives: Benzoic Acid, Sorbic Acid Antioxidant (TBHQ) Caffeine Organic Acid Cholesterol Antibiotics (Nitrofurans, Chloramphenicol, Tetracycline, Oxytetracycline, Chlorotetracycline) Benzo- α -Pyrene Pesticide A.I (Insecticide, Herbicide, Rodenticide) Triclosan, Salicylic Acid Hydroquinone
Fourier Transform Infra Red Spectrometer	Product Identification
Inductively Coupled Plasma - Optical Emission Spectrometer ICP-MS	Metal Contaminants, Minerals
Atomic Absorption Spectrometer - Hydride Generation, FIAS	Mercury, Arsenic
Atomic Absorption Spectrometer	Metal Contaminants, Minerals
UV - VIS Spectrometer	Colouring, Sweetener (Sodium Cyclamate) Assay (Paracetamol) Piperine Phosphorus
Karl Fischer Titrator	Water / Moisture
Viscometer	Kinematic Viscosity
Brookfield Viscometer	Viscosity
Oxygen Bomb Calorimeter	Energy Calorific Value Sulphur
Refractometer	Refractive Index Brix Sucrose
Flash Point Tester	Flash Point
Kjeldahl Distilling Unit	Protein, Nitrogen, Ammonical Nitrogen, Sulphur Dioxide