

LIST OF ACCREDITED TEST METHOD
ISO 17025

**B) FOOD
LABORATORY**

Food-Fresh Fruits and Vegetables	Organophosphorous pesticides Chlorpyrifos, Profenofos, Triazophos, Methamidophos, Omethoate, Chlorpyrifos methyl, Malathion, Fenithrothion, Fenthion, Phenthoate, Fenamiphos, Azinphos methyl, Azinophos ethyl , <i>Dichlorvos(DDVP),Acephate, Dimethoate, Diazinon, Monocrotofos, Quinalphos, Parathion-methyl, Parathion-ethyl, Prothiofos, Methidathion,Ethion, Trizophos.</i>	JKM F 0702* based on Fresenius Z Anal Chem (1985) p. 1-3 Gas Chromatography
Foods	Total nitrogen	JKM F 0908* based on Pearson's Chemical Analysis of Foods, 8th Edition (1981)
	Benzoic acid, Sorbic acid by Steam Distillation & HPLC	JKM F 0101* based on 'Pearson's Chemical Analysis of Foods, 8th Edition (1981)
	Benzoic acid, Sorbic acid by Direct Solvent Extraction & HPLC	JKM F 0102* based on J.A.O.A.C Vol. 70 (1987) p. 892-896. .
Peanut & Peanut Products	Aflatoxins B1, B2, G1 and G2 by Solvent Extraction and HPLC	JKM F 0601* based on i) AOAC official method of Analysis (1990) chapter 49 ii) JAOAC Vol. 71 (1988) Pg. 43-47 iii) JAOAC Vol. 73 (1990) Pg. 260-265
Food	Synthetic Colours	JKM F0201: Method for qualitative separation and identification of synthetic acidic colours in food samples, based on Modern Food Analysis 1971
Fruits products	Cyclamate	JKM F 0801 based on AOAC 15 th Edn.1990. 969.27 and 957.09
Monosodium Glutamate	Moisture by air oven method	JKM F 0302 based on AOAC 15 th Edn.1990. 925.45B pg. 1011
Coffee and coffee products	Determination of Caffeine in Coffee and Coffee Products by High Performance Liquid Chromatography	JKM F 0907: based on (i) JAOAC 1983 66(3) 606-609 and (ii) Pearsons Chemical Analysis of Food 8 th edition.
Common salt	Sodium Chloride content by silver nitrate titration	JKM F 0910 based on Pearson's Chemical Analysis of Foods, (8 th Edn.) A.I.Vogel Quantitative Inorganic Analysis (3 rd Edn.)

Food	Antioxidants by HPLC	JKM F 0401 based on A.O.A.C.983.15
	Total Ash, Water Soluble and Water Insoluble Ash	JKM F 0901 based on Pearson's Chemical Analysis of Food 8 th edition
	Total Ash and Acid Insoluble Ash	JKM F 0902 based on Pearson's Chemical Analysis of Food 8 th edition
Flour Confection, Bread	Propionic acid by Gas Chromatography	JKM F 0103 based on JAOAC Vol. 64(2) pg 280-281.
Vinegar	Acetic Acid by titration	JKM F 0911 based on Pearson's Chemical Analysis of Food 8 th edition
Oil & Fats	Lead by solvent extraction and AAS	JKM F 0502 based on (i) Persmark, U and Toregard B J.American Oil Chem.Soc 1971 and (ii) Laboratory handbook for oil and fat analysis by Cocks Van Rede (1966)
Meat, tissue	Beta - agonists (salbutamol tertbutyline, clenbuterol) by GCMS	JKM F 0602 based on (i) Manual for clenbuterol/beta agonist Immunoaffinity columns from RANDOX Laboratories Ltd. UK and (ii) Method sheet from Veterinary Laboratories Agencies, Addlestone, Surrey UK.
Fruit and fruits products	Soluble Solids by Refractometer	AOAC 15 th edition 932.12 9S3.17.976.20
Foods	Trace metals (Lead, Copper, Zinc and Cadmium) by dry ashing and AAS	JKM F 0501 based on JAOAC (1993) Vol. 76(4).
Condensed Milk	Milk Fat by Gerber method	JKM F 0905 based on Pearson's Chemical Analysis of foods 8 th edition, pg 437-438
Margarine and Butter	Total Fat by direct extraction	AOAC 15 th edition 938.06(B)
Monosodium glutamate	Monosodium glutamate content by Polarimeter	JKM F 0301 based on (i) British Pharmacopoeia 1993, vol 1 and 2 pg 311 and A114 Appendix VF and (ii) Food Chemical Codex 4 th Edition pg 260.

Cocoa and Cocoa products	Cocoa content by UV spectroscopy	JKM F 0906 based Pearsons's Chemical Analysis of Foods 8 th edition. Pg 254-255
Margarine	% salt	JKM F 0915 based on Pearson's Chemical Analysis of foods 8th edition, pg 12-13
Food	pH	JKM F 0915 based on Pearson's Chemical Analysis of foods 8th edition, pg 13-14
Food and Food Ingredients	3-Monochloropropanediol by GCMS	JKM F 1001 based on (i) Joint Safety and Standard Food Grp Surveillance INFORMATION SHEET No. 187 sept 1999 and FSA Food Surveillance INFORMATION SHEET No 12/01 feb 2001.
Food	Boric Acid by UV-VIS spectroscopy	JKM F 0105 based on (i) Analytical Chemistry 1950, 22, pg 567 and (ii) AOAC 958.03 and 969.26
Raw Seafood	Formaldehyde	JKM F 0106 based on (i) Pearson's Chemical Analysis of foods 8th edition and (ii) FAO Food and Nutrition Paper Manual of Food Quality Control No. 7
Unsweetened Evaporated Milk	Total Milk Solids	JKM F 0913 based on (i) AOAC 925.23A, and Pearson's Chemical Analysis of foods 8th edition
Food	Total Sugar by Lane Eynon Titration	JKM F 0914 based on (i) AOAC 923.09, 930.44 and 930.45 and (ii) Pearson's Chemical Analysis of foods 8th edition
Tea	Water Soluble Extracts	JKM F 0912 based on (i) AOAC 920.104 and (ii) ISO 9768:1994(E) pg 1-2
Foods	Determination of mercury in foods by mercury analyser	JKM F 0505 based on the manufacturer instruction manual of the NIC mercury analyser MA-2
Shrimp and animal tissue	Determination of chloramphenicol in shrimp and animal tissue	U.S. Food and Drug Administration Bulletin No. 4290 & 4306
Fruits and vegetables	Non-Fatty foods - multiresidue methods for the Gas Chromatographic determination of	British Standard Institution BS EN 12393-1: 1999 (Using Extraction Method L)

**organochlorine pesticide residues
(Lindane, α -Endosulfan,
 β -Indosulfan, Endosulfan sulphate)**

**Qualitative Determination of
Ethylene Bisdithiocarbamate
(EBDC) residue in fresh fruits and
vegetables**

JKM F 0706 based on Journal of AOAC
International, Vol 78, No. 5