



INTERNATIONAL
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CERTIFICATE OF ACCREDITATION

This is to attest that

**EUROFINS ANALYTICAL SERVICES INDIA PRIVATE LIMITED,
BANGALORE**

540/1, DODDANEKUNDI INDUSTRIAL AREA 2, GRAPHITE INDIA ROAD, HOODI, WHITEFIELD
BENGALURU, 560048, REPUBLIC OF INDIA

Testing Laboratory TL-1097

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date January 12, 2024



President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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EUROFINS ANALYTICAL SERVICES INDIA PRIVATE LIMITED, BANGALORE

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Accredited to ISO/IEC 17025:2017

Effective Date January 12, 2024

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical continued	Fruit & Fruit Product, Vegetable & Vegetable product, Jams, juices, sauces, pickles & concentrates & its products continued	Fish allergen	EASI-CHE-SOP-258 Determination of Fish allergens by ELISA
		Foreign matter	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Formic acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC-UV
		Fulvic acid	EASI-CHE-SOP-175 Determination of Fulvic Acid in Herbal and Herbal Products
		Gluten Allergens	EASI-MB-SOP-034 Determination of Gluten Allergens by ELISA
		Humic acid	ISO 5073 Brown coals and lignites — Determination of humic acids
		Hydrogen cyanamide	EASI-CHE-SOP-66, DETERMINATION OF HCN IN FOOD AND FEEDS BY HPLC-FLD
		Indigo Carmine	FSSAI Manual 8, HPLC-DAD
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
			JAOAC, Vol. 84(6) Determination of Iodine in Seafood by Inductively coupled plasma/Mass Spectrometry
		Isofenophos methyl	EASI-CHE-SOP-018- Determination of Pesticide residues in fruits and

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			vegetables by GC-MS and LC-MS/MS
		Isomaltose	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Isoprocab	EASI-CHE-SOP-018- Determination of Pesticide residues in fruits and vegetables by GC-MS and LC- MS/MS
		Ivermectine	EASI-CHE-SOP-018- Determination of Pesticide residues in fruits and vegetables by GC-MS and LC-MS/MS
		Lactic acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC–UV
		Lactitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		L-Ascorbyl palmitate, Propyl Gallate	EASI-CHE-SOP-55, DETERMINATION OF ANTIOXIDANTS (BHA, BHT, TBHQ, Propyl gallate and Ascorbyl palmitate) IN FOOD SAMPLES
		Length	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Lycopene	EASI-CHE-SOP-174 Determination of Total Lycopene in Fruit and Vegetable Products
		Maltitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Milk Allergens	EASI-MB-SOP-038

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Determination of Milk allergens by ELISA
		Mineral Impurities	FSSAI Manual Method
		Moisture	AOAC 935.29 Loss on Drying (Moisture) in Malt
			AOAC 920.151 Solids (Total) in Fruits and Fruits Products
		Monounsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Mouth Feel	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Neotame	EASI-CHE-SOP-222 Determination of Sweeteners by HPLC
		Oxalic acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC-UV
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		Pectin	EASI-CHE-SOP-167 Determination of Pectin by UV-VIS Spectrophotometer in Fruit and Fruit Products
		pH	EASI-CHE-SOP-262 SOP for determination of pH
			FSSAI Manual Method
			FSSAI lab Manual 5
		Polyphenols as Gallic Acid	ISO 14502 P-1, Determination of substances characteristic of green and black tea — Part 1: Content of total polyphenols in tea — Colorimetric method using Folin-Ciocalteu reagent
		Polyunsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Ponceau 4R	FSSAI Manual 8, HPLC-DAD

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Potassium benzoate as Benzoic acid	FSSAI Manual 8, Manual of Food Additives
		Presence of Caramel	FSSAI Manual Method
		Presence of Mineral acids	FSSAI Manual Method
		Presence of Peroxidase	FSSAI Manual Method
		Propionate As Propionic Acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC-UV
		Protein	IS 7219 Method for determination of protein in foods and feeds
			AOAC 920.152 Protein in Fruit Products
		Saccharin	FSSAI Lab manual 8 Page.65
		Saponins	EASI-CHE-SOP-147 Determination of Saponin in food & food products
		Saturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Sieve Analysis	ASTA method 10.0 Sieve Analysis
		Sodium benzoate as Benzoic acid	FSSAI Manual 8, Manual of Food Additives
		Sodium Chloride in Brine	AOAC 935.43 Chloride (Total) in Cheese
			AOAC 986.26 Chloride in Milk-Based Infant Formula
		Soluble and Insoluble Dietary Fibre	AOAC 991.43 Total, Soluble, and Insoluble Dietary Fiber in Foods
		soluble solid	IS 13815 Fruit and vegetable products - Determination of soluble solids content - Refractometric method

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		Sorbic Acid (As Calcium, Sodium, Potassium Salt)	FSSAI Lab manual 8 Page. 106 by HPLC-UV
		Sorbitol content	EASI-CHE-SOP-234, Determination of sorbitol and Xylose by HPLC
		Soya Allergens	EASI-MB-SOP-037 Determination of Soya allergens by ELISA
		Starch	FSSAI Manual Method
		Sucralose	EASI-CHE-SOP-138, DETERMINATION OF SUCRALOSE BY HPLC
		Sugar Alcohols(D-Mannitol, Maltitol, Xylitol, Iso maltose, Erythritol, lactitol)	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol, Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Sugar Free Extract	AOAC 920.63 Nonsugar Solids (Sugar-Free Extract) in Wines
		Sugar Profile-Fructose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Glucose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Lactose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Maltose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Sucrose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sulphur Dioxide (SO ₂)	AOAC 990.28 Sulfites in Foods
		Sunset Yellow	FSSAI Manual 8, HPLC-DAD
		Tartrazine	EASI-CHE-SOP-105, Determination of Synthetic food colors in food and food products
		TBHQ	FSSAI manual 8 Page. 106

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		Test for added Natural colours	FSSAI Manual for Food additives
		Texture	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Thickness	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Titrateable Acidity	FSSAI Manual Method
		Tomato content	GS 1203
		Total Ash	FSSAI Manual Method
		Total Dietary Fibre	AOAC 985.29 Total Dietary Fiber in Foods
		Total Fat	AOAC 920.39 Fat (Crude) or Ether Extract in Animal Feed
		Total soluble solid/Brix	FSSAI Manual Method
		Total Sugar	AOAC 945.66 Total reducing sugars
		Total Sugar	FSSAI Manual Method
		Starch	AOAC 920.40 Starch in Animal feed
		Trans fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Transmittance	EASI-CHE-SOP-168 Determination of Transmittance in Fruit and Fruit Products
		Visual Inspection	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Vitamin A	AOAC 2001.13 Vitamin A (Retinol) in Foods by Liquid Chromatography
		Vitamin C	AOAC 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula
		Vitamin D2	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant

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			Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin D3	AOAC 2002.05 Cholecalciferol (Vitamin D3) in Selected Foods
		Volatile acids	FSSAI Manual Method
			IFU method 05 Determination of volatile Acids
		Width	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Xylitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
	Herbs, Spices, Salt, Oleoresin, Condiment and its products	Acesulfame	FSSAI Lab manual 8 Page. 65
		Acetic acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC–UV
		Acid Insoluble Ash	IS 1797 Spices and condiments
			FSSAI 10.007 Determination of acid insoluble ash of spices and condiments
		Acid Yellow 36 (Metanil Yellow)	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		ADF	Ankom method
		ADL	Ankom method
		Alcohol Soluble Extract	IS 1797 Spices and condiments
			FSSAI 10.010 Determination of alcohol soluble extract
		Alkalinity as Na ₂ CO ₃	IS 7224 Iodized salt, vacuum evaporated iodized salt and refined iodized salt
			IS 253 Specification for Common Salt
		Almond Allergen	EASI-CHE-SOP-236 Determination of Almond allergens by ELISA

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		Ammoniaccum Resin	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
			FSSAI 10.34 Detection of Galbnum, Ammoniacum and other Foreign resins in Asafoetida
		Antimony	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Any Other Foreign Resin	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Argemone Seeds	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
			FSSAI 10.015 Detection of argemone seeds in mustard
		Aroma	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Aspartame	FSSAI Lab manual 8 Page. 65
		Auromine O	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		B Juncea	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		B Nigra	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Bacosides	USP 35
		Benzoic Acid/Benzoyl Peroxide	FSSAI Lab manual 8 Page. 13
			AOAC 994.11 Benzoic acid in orange juice
		Berberine	EASI-CHE-SOP-223, DETERMINATION OF

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			BERBERINE CONTENT BY HPLC
		BHA	FSSAI manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		BHT	FSSAI Lab manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		Bitterness	EASI-CHE-SOP-173 Determination of total bitterness in plants & by products
		Bixin	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Boswellia	EASI-CHE-SOP-235 Determination of Boswellic Acid by HPLC-UV
		Boswellic acid	EASI-CHE-SOP-172 Determination of Gymnemic Acid in Gymnemia Extract
		Brilliant Blue	FSSAI Manual 8, HPLC-DAD
		Bulk Density	ASTA Method 25.0 Bulk Index/Bulk Density
		Calcium Oxide	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Capsaicin profile (Nordihydrocapsaicin, capsaicin and Dihydrocapsaicin)	ASTA 21.3 Pungency Of Capsicums And Their Oleoresins (HPLC Method)
		Carmoisine	FSSAI Manual 8, HPLC-DAD
		Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8	FSSAI Manual for Food additives

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Cashew allergen	EASI-CHE-SOP-257 Determination of cashew allergens by ELISA
		Chloride	IS 1797 METHODS OF TEST FOR SPICES AND CONDIMENTS.
		Chlorophyll	EASI-CHE-SOP-169 Determination of Total Chlorophyll in Plant and its products
		Chromate Test	IS 3576 SPICES AND CONDIMENTS TURMERIC WHOLE AND GROUND SPECIFICATION
		Chrysodine G	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Citric acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC–UV
		Coal Tar Dyes	FSSAI Manual for Food additives
		Cold Water Extract	FSSAI 10.009 Determination of cold water soluble extract of spices and condiments
		Cold Water Soluble Extract	IS 1797 Methods of Test for Spices and Condiments
		Colophony Resin	FSSAI 10.035 Test for presence of Colophony resin in Asafoetida
		Color Value	ASTA Method 20.1 Extractable Color in Capsicums and Their Oleoresins
			FSSAI 10.038 Method of Measuring Color value in Chilli and Paprika Oleoresin
		Crude Fiber	AOAC 920.169 Fiber (Crude) in Spices
			IS 1797 Methods of Test for Spices and Condiments

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			FSSAI 10.014 Determination of crude fiber of spices and condiments
		Crustacean allergen	EASI-CHE-SOP-271 Determination of Crustaceans allergens by ELISA
		Curcumin	ASTA Method 18.0 Curcumin Content of Turmeric Spice and Oleoresins
		Curcumin Content	FSSAI 10.030 Determination of Curcumin Content in Turmeric
			IS 10925 Specification for Turmeric Oleoresin
		Curcuminoids	EASI-CHE-SOP-103, Determination of Total curcuminoids in Turmeric and Turmeric products
		Cut & broken	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Cyanuric acid	EASI-CHE-SOP-203 Determination of Melamine and Cyanuric Acid By LC-MS/MS.
		Damaged/Discolored/defective	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Defective Seeds	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Defects	EASI-CHE-SOP-209 Procedure for physical parameters in food
			FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
		Description	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Determination of Ferrocyanide	IS 7224 Iodized salt, vacuum evaporated iodized salt and refined iodized salt
			IS 253 Specification for Common Salt
		Determination of Percentage of Light Berries	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Edible Seeds Other Than Fennel	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Egg allergen	EASI-CHE-SOP-259 Determination of Egg white allergens by ELISA
		Empty and Malformed Capsules By Count	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Epitinosporide	EASI-CHE-SOP-149 Determination of guduchi biomarker (EPI-TINOSPORIDE) in beverage and plant extracts by HPLC-UV
		Erythrosine	FSSAI Manual 8, HPLC-DAD
		Excreta	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Extraneous Matter	IS 1797 Spices and Condiments
			FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
		Extraneous Matter and Other Refractions	FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
		Fast green	FSSAI Manual 8, HPLC-DAD
		Fatty Acid Profile-Mono Unsaturated Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Fatty Acid Profile-Poly Unsaturated Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products

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			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Fatty Acid Profile-Trans Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Filth analysis	AOAC 975.48 Heavy and Light Filth in Spices
		Filth Test	AOAC 965.40 Filth in Spices
			AOAC 971.35 Light Filth in Nutmeg (Reconditioned)
		Fish allergen	EASI-CHE-SOP-258 Determination of Fish allergens by ELISA
		Flavanoid	EASI-CHE-SOP-170 Determination of Flavenoids in Plant and Plant products
		Floral waste	IS 5453 (P-2) Spices- Saffron (Crocus Sativus L.) Part 2 Test Methods
			FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
		Foreign matter	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Formic acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC–UV
		Fungal identification/ moulds	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Galbanum Resin	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Galbnum Resin	FSSAI 10.34 Detection of Galbnum, Ammoniacum and other Foreign resins in Asafoetida

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		Gallic acid	EASI-CHE-SOP-127, DETERMINATION OF GALLIC ACID BY HPLC
			EASI-CHE-SOP-148, DETERMINATION OF GALLIC ACID IN BEVERAGE AND PLANT EXTRACTS BY HPLC
		Garcinia	EASI-CHE-SOP-54, Determination of Assay in Garcinia extract samples
		Gingerol	EASI-CHE-SOP-76 EASI-CHE-SOP-76, Determination of total Gingerols in Gingene (OLNP-06) and Ginger products by HPLC-UV/DAD
		Gingerols and Shagaols	FSSAI Manual on spices and condiments
		Gluten	EASI-MB-SOP-034 Determination of Gluten Allergens by ELISA
		Gymnemic acid	EASI-CHE-SOP-172 Determination of Gymnemic Acid in Gymnemia Extract
		Headless Cloves	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
			FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
			EASI-CHE-SOP-209 Procedure for physical parameters in food
		Hexanal	EASI-CHE-SOP-231- Determination of Hexanal in Food Matrices by GC-MSD-HSS
		Hydrogen cyanamide	EASI-CHE-SOP-66, DETERMINATION OF HCN IN FOOD AND FEEDS BY HPLC-FLD
		Identification Test	FSSAI 10.025 Identification of Saffron (Filaments and Powder)
			IS 5453 (P-2) Spices- Saffron (Crocus Sativus L.) Part 2 Test Methods

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		Imazethapyr	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Immature and Shrivelled Capsules	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
			EASI-CHE-SOP-209 Procedure for physical parameters in food
			FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
		Impurity as extraneous matter	EASI-CHE-SOP-209 Procedure for physical parameters in food
			FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
		Indigo Carmine	FSSAI Manual 8, HPLC-DAD
		Insect damaged kernels	FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
			EASI-CHE-SOP-209 Procedure for physical parameters in food
		Insect Damaged Matter	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Insect Fragments	USP method
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
			JAOAC, Vol. 84(6) Determination of Iodine in Seafood by Inductively coupled plasma/Mass Spectrometry
		Iron by UV	IS 14433 INFANT MILK SUBSTITUTES - SPECIFICATION
		Khokar Cloves	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Lactic acid	EASI-CHE-SOP-133

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			Determination of Organic Acids by HPLC–UV
		L-Ascorbyl palmitate, Propyl Gallate	EASI-CHE-SOP-55, DETERMINATION OF ANTIOXIDANTS (BHA, BHT, TBHQ, Propyl gallate and Ascorbyl palmitate) IN FOOD SAMPLES
		Length	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Light and Heavy Filth	FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
		Light Berries	FSSAI 10.019 Determination of the percentage of light berries in whole black/ White pepper
		Light Extraneous matter	USP method
		Lutein	USP 35
		Mace in Nutmeg	FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
		Metanil Yellow	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Methyl Yellow (Butter Yellow)	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Methylene Chloride Extract	AOAC 940.29 Methylene Chloride Extract (Volatile and Nonvolatile) of Spices
		Milk Allergens	EASI-MB-SOP-038 Determination of Milk allergens by ELISA
		Mineral Oil	FSSAI 10.023 Detection of mineral oil in black pepper
		Mineral Pigment	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Moisture	FSSAI 10.003 Determination of moisture content (Dean and Stark Distillation Method)
			FSSAI 10.005 Determination of moisture content in spices (Vacuum Oven Method)
			ASTA 2.0 Moisture (Distillation Method)
		Moisture and Volatile Matter	IS 5453 (P-1) Spices- Saffron (Crocus Sativus L.) Part 1 Specification
			FSSAI 10.027 Determination of moisture and volatile matter in saffron
		Moisture Content	AOAC 941.11 Moisture in Spices
			AOAC 986.21 Moisture in Spices
			IS 1797 Spices and Condiments
			IS 7224 Iodized salt, vacuum evaporated iodized salt and refined iodized salt
			IS 253 Specification for Common Salt
		Mouth Feel	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Mustard	EASI-MB-SOP-035 Determination of Mustard Allergens by ELISA
		NDF	Ankom method
		Nitrite	AOAC 973.31 Nitrite in Cured Meat
		Nitrogen	AOAC 920.165 Nitrogen in Spices
		Non Volatile Ether Extract	FSSAI 10.012 Determination of nonvolatile ether extract
			IS 1797 Methods of Test for Spices and Condiments
			AOAC 920.172 Ether extract of Prepared Mustard

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Number of pieces	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Nutmeg in Mace	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Oil orange SS	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Oil Soluble Color	FSSAI Manual Method
		Orange II Sodium Salt	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Other Foreign Resins	FSSAI 10.34 Detection of Galbnum, Ammoniacum and other Foreign resins in Asafoetida
		Other seed	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Oxalic acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC–UV
		Oxamyl	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Papaya seeds	FSSAI 10.024 Qualitative detection of papaya seeds in black pepper
		Para Red	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		P-Hydroxybenzyl Iso-Thiocyanate (M/M) on Dry Basis	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Physical Purity (100- Extraneous matter)	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Phytic acid	J. Agric. Food Chem. 3.0

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Picrocrocine, Safranal and Crocine	FSSAI 10.028 Determination of picrocrocine, safranal and crocin in saffron
			IS 5453 (P-2) Spices- Saffron (Crocus Sativus L.) Part 2 Test Methods
		Pin heads or broken berries	FSSAI 10.002 Determination of Extraneous Matter and Other Refractions in Whole Spices
			EASI-CHE-SOP-209 Procedure for physical parameters in food
		Piperine	ASTA 12.1 Piperine Content of Black and White Pepper, Their Oleoresins and Soluble Pepper Seasonings
		Piperine (HPLC)	EASI-CHE-SOP-224, DETERMINATION OF PIPERINE CONTENT IN PEPPER AND PEPPER OLEORESINS
		Piperine Content	EASI-CHE-SOP-224, DETERMINATION OF PIPERINE CONTENT IN PEPPER AND PEPPER OLEORESINS
			AOAC 987.07 Piperine in Pepper Preparations
		Ponceau 4R	FSSAI Manual 8, HPLC-DAD
		Potassium benzoate as Benzoic acid	FSSAI Manual 8, Manual of Food Additives
		presence of Chromate	FSSAI 10.033 Qualitative method to test for presence of Chromate in Turmeric
		Propionate As Propionic Acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC-UV
		Pungency (Scoville Heat Units), Capsaicinoids	ASTA 21.3, Pungency of Capsicums and Their Oleoresins (HPLC Method)
			AOAC 995.03 Capsaicinoids in Capsicums and their Extractives

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Purity	IS 7224 Iodized salt, vacuum evaporated iodized salt and refined iodized salt
			IS 253 Specification for Common Salt
		Purity (100-extraneous matter)	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Rhodamine B	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Rodent contamination	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Rosmerinic acid	EASI-CHE-SOP-151 Determination of rosmerinic acid biomarker in beverage and plant extracts by HPLC-UV
		Saccharin	FSSAI Lab manual 8 Page.65
		Sennosides	EASI-CHE-SOP-157, DETERMINATION OF SENNOSIDES IN PLANTS AND HERBAL EXTRACT SAMPLES
			EASI-CHE-SOP-131, Determination of Sennoside content by UV Spectrophotometer
		SHU	AOAC 995.03 Capsaicinoids in Capsicums and their Extractives
			ASTA 21.3 Pungency Of Capsicums And Their Oleoresins (HPLC Method)
		Sieve Analysis	ASTA method 10.0 Sieve Analysis
		Simazine	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Sinapist Alba	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Sodium benzoate as Benzoic acid	FSSAI Manual 8, Manual of Food Additives

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Sorbic Acid (As Calcium, Sodium, Potassium Salt)	FSSAI Lab manual 8 Page. 106 by HPLC-UV
		Soya Allergens	EASI-MB-SOP-037 Determination of Soya allergens by ELISA
		Split Fruits	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Starch Content	FSSAI 10.032 Determination of Starch content in Turmeric
			ASTA Method 8.0 Starch (Direct Acid Hydrolysis)
		Stones	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Sudan Black B	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan Blue	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan I	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan II	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan III	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan IV	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan orange G	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan Red 7B	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS

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		Sudan Red B	EASI-CHE-SOP-113-Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan Red G	EASI-CHE-SOP-113-Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan Red G (Sudan R)	EASI-CHE-SOP-113-Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sudan Yellow	EASI-CHE-SOP-113-Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Sugar Profile-Fructose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Glucose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Lactose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Maltose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Sucrose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sulphate	IS 253 Specifications for Common salt
		Sunset Yellow	FSSAI Manual 8, HPLC-DAD
		Swell Volume	USP method
		Tartrazine	EASI-CHE-SOP-105, Determination of Synthetic food colors in food and food products
		TBHQ	FSSAI manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Tendrils, Mother Cloves	ASTA Method 14.1 Extraneous Matter in Spices (Excluding Black and White Pepper)
		Texture	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Thickness	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Thymoquinone (HPLC)	EASI-CHE-SOP-205, Determination of THYMOQUINONE in Cumin Seed Oil by HPLC
		Toluidine Red	EASI-CHE-SOP-113- Determination of Illegal Dyes in Food & Agricultural and Feed Products by LC-MS/MS
		Total Ash	IS 1797 Spices and Condiments
			AOAC 941.12 Ash of Spices
			FSSAI 10.006 Determination of total ash of spices and condiments
		Total Chloride	IS 7224 Iodized salt, vacuum evaporated iodized salt and refined iodized salt
			IS 253 Specification for Common Salt
		Total Nitrogen	FSSAI 10.029 Determination of Total Nitrogen in Saffron
		Total Sugar	AOAC 945.66 Total reducing sugars
		Unripe and marked fruits	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Vanillin	EASI-CHE-SOP-155 Determination of Vanillin in Vanilla beans, spices and Herbal extract samples
		Vinyl chloride	EASI-CHE-SOP-190- Determination of acrylonitrile and Vinyl Chloride in food matrices by GC-MSD-HSS
		Visual Inspection	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Vitamin C	AOAC 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula
		Vitamin D2	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin D3	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Volatile Oil	AOAC 962.17 Volatile Oil in Spices
			ASTA 5.0 Steam Volatile Oil (Modified Clevenger Method)
			FSSAI 10.013 Method for determination of volatile oil
			IS 1797 Spices and Condiments
		Water Activity	EASI-CHE-SOP-215 Procedure for Water Activity
		Water Insoluble Ash	IS 1797 Spices and Condiments
		Water Insoluble Matter	IS 7224 Iodized salt, vacuum evaporated iodized salt and refined iodized salt
		Water Insoluble Matter	IS 253 Specification for Common Salt
		Width	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Withanolides	EASI-CHE-SOP-152, DETERMINATION OF WITHANOLIDES IN BEVERAGE AND PLANT EXTRACTS BY HPLC-UV
			AOAC 995.03 Capsaicinoids in Capsicums and their Extractives
			EASI-CHE-SOP-126, DETERMINATION OF WITHANOLIDES BY HPLC-UV/DAD

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
			EASI-CHE-SOP-229 Estimation of Free & Total Withanolides In Ashwagandha Extract
		Xanthophyll	EASI-CHE-SOP-171 Determination of Total Xanthophyll in Marigold Oleoresin
		Zinc oxide	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
	Honey & Honey Product	Acidity	IS 4941 Extracted Honey
		Alcoholic Acidity	IS 12711 Bakery Products - Methods of Analysis
			IS 1009 wheat flour) Maida for General Purposes
		Aroma	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Bulk Density	ASTA Method 25.0 Bulk Index/Bulk Density
		Carbohydrates	AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula
		Carbohydrates	By calculation/NIN method
		Chloride	IS 11763 Cheese And Processed Cheese Products — Determination Of Chloride Content — Potentiometric Titration Method
			AOAC 2016.03 Chloride in Milk, Milk Powder, Whey Powder, Infant Formula, and Adult Nutritionals
		Cholesterol	AOAC 994.10 Cholesterol in Foods
		Crude Fibre	AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Description	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Diastase activity	AOAC 958.09 Diastatic activity of honey
		Dietary Fiber	AOAC 985.29 Total Dietary Fiber in Foods
		Electrical conductivity	Methods of the International Honey Commission
		Energy	EASI-CHE-SOP-123 Procedure for calculation of Energy value
			NIN by Gopalan (by Calculation)
		Fatty acid Profile	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Fatty Acid Profile (Saturated Fatty Acids, Mono Unsaturated Fatty Acid, Poly Unsaturated	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products

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Effective Date January 12, 2024

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical continued	Honey & Honey Product continued	Fatty Acid and Trans Fatty Acid)	AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Fatty Acid Profile - Saturated Fatty Acids	AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Fiehe's Test	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Free acidity milli equivalents acid/1000g	AOAC 962.19 Acidity (Free, Lcatone and Total) in Honey
		Fructose	AOAC 935.63 Fructose in Sugars and Syrups
		Fructose-Glucose Ratio	IS 4941 Extracted Honey
		Glucose	AOAC 935.62 Glucose in Sugars and Syrups

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		HMF	AOAC 980.23 Hydroxymethyl Furfural in Honey
			IS 4941: 2008/IFU 69
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
		Moisture	IS 4941 Extracted Honey
			AOAC 969.38 Moisture in Honey
			AOAC 935.29 Loss on Drying (Mois ture) in Malt
		Monounsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Optical Density @660nm	IS 4941 Extracted Honey
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		pH	EASI-CHE-SOP-262 SOP for determination of pH
		Polyphenols as Gallic Acid	ISO 14502 P-1, Determination of substances characteristic of green and black tea — Part 1: Content of total polyphenols in tea — Colorimetric method using Folin-Ciocalteu reagent
		Proline	AOAC 979.20 Proline in honey
		Protein	IS 7219 Method for determination of protein in foods and feeds
		Saponins	EASI-CHE-SOP-147 Determination of Saponin in food & food products
		Sieve Analysis	ASTA method 10.0 Sieve Analysis
		Soluble and Insoluble Dietary Fibre	AOAC 991.43 Total, Soluble, and Insoluble Dietary Fiber in Foods
		Specific Gravity	IS 4941 Extracted Honey
		Sucrose	IS 4941 Extracted Honey

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sulphur Dioxide (SO ₂)	AOAC 990.28 Sulfites in Foods
		Total Ash	IS 4941 Extracted Honey
		Total Dietary Fibre	AOAC 985.29 Total Dietary Fiber in Foods
		Fat	AOAC 922.06 Fat in flour
		Total Fat	AOAC 920.39 Fat (Crude) or Ether Extract in Animal Feed
		Total Reducing Sugar As Invert Sugar	IS 4941 Extracted Honey
		Total Solids	IS 4941 Extracted Honey
		Water insoluble matters	Methods of the International Honey Commission
	Milk and dairy Products, Infant food & formula, Milk cereal Based complementary Foods and complementary food	Acid Insoluble Ash	IS 14433 Infant Milk Substitute
		Alcoholic Acidity	IS 12711 Bakery Products - Methods of Analysis
			IS 1009 (wheat flour) Maida for General Purposes
		Arachidonic Acid (ARA)	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Beta-Carotene	ISO 23443, Infant formula and adult nutritionals — Determination of β -carotene, lycopene and lutein by reversed-phase ultra-high performance liquid chromatography (RP-UHPLC)
		Bulk Density	ASTA Method 25.0 Bulk Index/Bulk Density
		Carbohydrates	AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula
			By calculation/NIN method
		Carnitine	AOAC 2015.10 Free and Total Choline and Carnitine in Infant Formula and Adult/Pediatric Nutritional Formula
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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			201, Determination of Choline and Carnitine (Free and total) in Infant Formula and Adult/Pediatric Nutritional Formula by LC-MS/MS
		Chloride	IS 11763 Cheese And Processed Cheese Products — Determination Of Chloride Content — Potentiometric Titration Method
			AOAC 2016.03 Chloride in Milk, Milk Powder, Whey Powder, Infant Formula, and Adult Nutritionals
		Cholesterol	AOAC 994.10 Cholesterol in Foods
		Choline	IS 5949, Methods for volumetric determination of calcium and magnesium using EDTA
			EASI-CHE-SOP-201, Determination of Choline and Carnitine (Free and total) in Infant Formula and Adult/Pediatric Nutritional Formula by LC-MS/MS
			AOAC 2015.10 Free and Total Choline and Carnitine in Infant Formula and Adult/Pediatric Nutritional Formula
		Crude Fibre	AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food
		Cyanuric Acid	EASI-CHE-SOP-037 Determination of Melamine and Cyanuric Acid in Milk, Milk Products, Cereals and their products, Fruit & Vegetables and their products and other agricultural products by LC MS-MS
		Description	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		DHA	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Dietary Fiber	AOAC 985.29 Total Dietary Fiber in Foods
			AOAC 991.43 Total, Soluble, and Insoluble Dietary Fiber in Foods
		Dispersibility	EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		Energy	EASI-CHE-SOP-123 Procedure for calculation of Energy value
			NIN by Gopalan (by Calculation)
		Fatty acid Profile	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Fatty Acid Profile (Saturated Fatty Acids, Mono Unsaturated Fatty Acid, Poly Unsaturated Fatty Acid and Trans Fatty Acid)	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Fatty Acid Profile - Saturated Fatty Acids	AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Free and total Carnitine	ISO 23443, Infant formula and adult nutritionals —

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Determination of β -carotene, lycopene and lutein by reversed-phase ultra-high performance liquid chromatography (RP-UHPLC)
			ISO 21468, Infant formula and adult nutritionals — Determination of free and total choline and free and total carnitine — Liquid chromatography tandem mass spectrometry (HPLC-MS/MS)
			IS 17668 Determination of free and total choline and free and total carnitine Liquid chromatography tandem mass spectrometry HPLC-MS-MS L-Carnitine
		Free and total Choline	ISO 21468, Infant formula and adult nutritionals — Determination of free and total choline and free and total carnitine — Liquid chromatography tandem mass spectrometry (HPLC-MS/MS)
			IS 17668 Determination of free and total choline and free and total carnitine by Liquid chromatography tandem mass spectrometry LCMSMS-Choline
		Gluten Allergens	EASI-MB-SOP-034 Determination of Gluten Allergens by ELISA
		Grain test	EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		Inositol	GB 5413.25: 2010, Method 2
			EASI-CHE-SOP-050 Determination of inositol in infant formula by GC-FID
		Insolubility Index	IS 12759 Dried Milk and Dried Milk Products — Determination of Insolubility Index (First Revision)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		Iodine	JAOAC, Vol. 84(6) Determination of Iodine in Seafood by Inductively coupled plasma/Mass Spectrometry
			AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
			Clause A-2 of IS7224 IODIZED SALT, VACUUM EVAPORATED IODIZED SALT AND REFINED IODIZED SALT — SPECIFICATION
			ISO 20647 Infant formula and adult nutritionals — Determination of total iodine — Inductively coupled plasma mass spectrometry (ICP-MS)
		Lactose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		L-Carnitine	AOAC 2012.17, Free and Total Carnitine in Infant and Adult/Pediatric Nutritional Formulas by Liquid Chromatography/Tandem Mass Spectrometry
		Linolenic Acid	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			ISO 16958 Determination Of Fatty Acids Composition - Capillary Gas Chromatographic Method
			ISO 16958 Determination Of Fatty Acids Composition - Capillary Gas Chromatographic Method - α

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
			ISO 16958 Determination Of Fatty Acids Composition - Capillary Gas Chromatographic Method Ratio of Linoleic Acid and α -
		Lutein	ISO 23443, Infant formula and adult nutritionals — Determination of β -carotene, lycopene and lutein by reversed-phase ultra-high performance liquid chromatography (RP-UHPLC)
			AOAC 2017.04 cis- and trans- Lutein, cis- and trans- β -Carotene, and cis- and trans-Lycopene in Infant, Pediatric, and Adult Nutritionals
		Moisture	IS 16072 Determination of Moisture Content in Milk Powder and Similar Products (Routine Method)-Total Solids
			IS 1656 Infant Food — Milk-Cereal Based Complementary Foods — Specification
			AOAC 927.05 Moisture in Dried Milk
			AOAC 935.29 Loss on Drying (Moisture) in Malt
		Monounsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Nitrate	AOAC 993.03 Nitrate in Baby Foods
		Non Protein nitrogen	FSSAI Manual for analysis of milk and milk products page no.49
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		pH	EASI-CHE-SOP-262 SOP for determination of pH
		Polyphenols as Gallic Acid	ISO 14502 P-1, Determination of substances characteristic of green and black tea — Part 1:

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Content of total polyphenols in tea — Colorimetric method using Folin-Ciocalteu reagent
		Polyunsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Protein	IS 7219 Method for determination of protein in foods and feeds
			AOAC 991.20 Nitrogen (Total) in Milk
		Saponins	EASI-CHE-SOP-147 Determination of Saponin in food & food products
		Saturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
			ISO 16958 Determination of fatty acids composition — Capillary gas chromatographic method - Ratio of Linoleic to Linolenic
			AOAC 2012.13 Determination of fatty acids composition — Capillary gas chromatographic method - Ratio of Linoleic to Linolenic
		Scorched particle	EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		Se	IS 15303 Determination of Antimony, Iron and Selenium in Water by Electrothermal Atomic Absorption Spectrometric Method
		Sieve Analysis	ASTA method 10.0 Sieve Analysis

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Solubility	IS 12759 Dried Milk and Dried Milk Products — Determination of Insolubility Index (First Revision)
		Soluble and Insoluble Dietary Fibre	AOAC 991.43 Total, Soluble, and Insoluble Dietary Fiber in Foods
		Sugar	AOAC 945.66 Total reducing sugars
		Sulphur Dioxide (SO ₂)	AOAC 990.28 Sulfites in Foods
		Taurine	AOAC 997.05 Taurine in Powdered Milk and Powdered Infant Formulae
		Total Ash	IS 1656 Infant Food — Milk-Cereal Based Complementary Foods — Specification
			IS 14433 Infant Milk Substitute
			AOAC 945.46 Ash of Milk
		Total Carbohydrates	EASI-CHE-SOP-123 Procedure for calculation of Energy value
			AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula
		Total Dietary Fibre	AOAC 985.29 Total Dietary Fiber in Foods
		Total Fat	IS 11721 Dried Milk and Dried milk products - Determination of Fat Content - Gravimetric Method (Reference Method)
			IS 1656 Infant Food — Milk-Cereal Based Complementary Foods — Specification
			IS 1656 (Annex C) Infant food – Milk-Cereal based complementary foods – Specifications: Total carbohydrates
			AOAC 945.48 Evaporated Milk (Unsweetened)
			AOAC 920.39 Fat (Crude) or Ether Extract in Animal Feed
		Fat	AOAC 922.06 Fat in flour
		Trans fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Monounsaturated) in Cereal Products
		Tryptophan	AOAC 2017.03 Total Tryptophan in an Infant Formula and Adult/Pediatric Nutritional Formula
		Vitamin A	AOAC 2001.13 Vitamin A (Retinol) in Foods by Liquid Chromatography
		Vitamin B1 (Thiamin)	BS EN 14122, Foodstuffs — Determination of vitamin B1 by HPLC
		Vitamin B1, B2, B3, B6	ISO 21470, Infant formula and adult nutritionals — Simultaneous determination of total vitamins B1, B2, B3 and B6 — Enzymatic digestion and LC-MS/MS
			IS 17669 Simultaneous determination of total vitamins B1 B2 B3 and B6 Enzymatic digestion and LC-MSMS 1. Thiamine 2. Riboflavin 3. Niacin equivalent 4. Vitamin B6
		Simultaneous determination of total vitamins B1 B2 B3 and B6 Enzymatic digestion and LC-MSMS Pyridoxine	IS 17669
		Vitamin B12	AOAC 2011.09 Vitamin B12 in Infant Formula and Adult Nutritionals
			ISO 20634, Infant formula and adult nutritionals — Determination of vitamin B12 by reversed phase high performance liquid chromatography (RP-HPLC)
			IS 16640 Determination of vitamin B12 by reversed phase high performance liquid chromatography (RP-HPLC)- Vitamin B12

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
			AOAC 2014.02 Vitamin B12 (Cyanocobalamin) in Infant Formula and Adult/Pediatric Nutritional Formula Liquid Chromatography Ultraviolet Detection-Vitamin B12
		Vitamin B2 (Riboflavin)	BS EN 14152, Foodstuffs — Determination of vitamin B2 by HPLC
		Vitamin B3	BS EN 15652, Foodstuffs — Determination of niacin by HPLC
		Vitamin B5	EASI-CHE-SOP-020, DETERMINATION OF PANTOTHENIC ACID (VITAMIN B5) IN FOOD, FEED, NEUTRACEUTICALS AND PREMIXES
			ISO 20639, Infant formula and adult nutritional — Determination of pantothenic acid by ultra high performance liquid chromatography and tandem mass spectrometry method (UHPLC-MS/MS)
		Vitamin B6	BS EN 14164, Foodstuffs- Determination of vitamin B6 by HPLC
		Vitamin B7	ISO 23305, Fortified milk powders, infant formula and adult nutritional — Determination of total biotin by liquid chromatography coupled with immunoaffinity column clean-up extraction
			ISO 23305, Fortified milk powders, infant formula and adult nutritional — Determination of total biotin by liquid chromatography coupled with immunoaffinity column clean-up extraction
		Vitamin B7(Biotin)	EASI-CHE-SOP-70, DETERMINATION OF BIOTIN (VITAMIN B7) IN

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			FOOD, FEED, NEUTRACEUTICAL AND PREMIX SAMPLES
		Vitamin B9	EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Neutraceutical and Premix Samples
			AOAC 2011.06, Total Folate in Infant Formula and Adult Nutr
		Vitamin B9 (as dietary folate Equivalent)	EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Neutraceutical and Premix Samples
		Vitamin C	IS 5838, METHODS FOR ESTIMATION OF VITAMIN C IN FOODSTUFFS
			AOAC 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula
			EASI-CHE-SOP-199, Determination of Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula by HPLC-UV.
		Vitamin D	ISO 14892, Dried skimmed milk — Determination of vitamin D content using high-performance liquid chromatography
			AOAC 2011.11 Vitamin D in Infant Formula and Adult/Pediatric Nutritional Formula
			AOAC 2011.12 Determination of Vitamins D2 and D3 in Infant Formula and Adult Nutritionals by Ultra-Pressure Liquid Chromatography with Tandem Mass Spectrometry Detection (UPLC-MS/MS)
			ISO 20636 Infant formula and adult nutritionals —

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Determination of vitamin D by liquid chromatography-mass spectrometry
			IS 17177 Determination of Vitamin D by Liquid Chromatography- Mass Spectrometry-Vitamin D
		Vitamin D2	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin D3	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin E	JAOAC 2001.13 Determination of Vitamins A (Retinol) and E (alpha-Tocopherol) in Foods by Liquid Chromatography: Collaborative Study
		Vitamin K1	AOAC 999.15 AOAC Official Method 999.15 Vitamin K in Milk and Infant Formulas Liquid Chromatographic Method
			ISO 21446, Infant formula and adult nutritionals — Determination of trans and total (cis + trans) vitamin K1 content — Normal phase HPLC
			EASI-CHE-SOP-193, Determination of Vitamin K1 (Total & Trans) in Milk and Milk products
		Vitamin K2	AOAC 999.15 AOAC Official Method 999.15 Vitamin K in Milk and Infant Formulas Liquid Chromatographic Method
		Vitamin K3	AOAC 999.15 AOAC Official Method 999.15 Vitamin K in Milk and Infant Formulas Liquid Chromatographic Method

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Water Activity	EASI-CHE-SOP-215 Procedure for Water Activity
		Wettability	EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
	Iodized salt	Iodine content	IS 7224: Iodized salt, vacuum evaporated iodized salt and refined iodized salt
		Iron	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
	Meat, Egg, Poultry and its products	Acid Insoluble ash	FSSAI Manual for analysis of meat and meat products & fish and fish products
		Alcoholic Acidity	IS 12711 Bakery products - Methods of analysis
			IS 1009 (wheat flour) Maida for General Purposes
		Bulk Density	ASTA Method 25.0 Bulk Index/Bulk Density
		Carbohydrates	AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula
			By calculation/NIN method
		Chloride	IS 11763 Cheese and Processed Cheese Products – Determination of Chloride Content – Potentiometric Titration Method
			AOAC 2016.03 Chloride in Milk, Milk Powder, Whey Powder, Infant Formula, and Adult Nutritionals
		Cholesterol	AOAC 994.10 Cholesterol in Foods
		Crude Fibre	AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food
		Cyanuric acid	EASI-CHE-SOP-203

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Determination of Melamine and Cyanuric Acid By LC-MS/MS.
			IS 16195: 2014 / ISO/TS 15495:2010 Guidelines for the Quantitative Determination of Melamine and Cyanuric Acid by LC-MS/MS-Melamine
		description	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Dietary Fiber	AOAC 985.29 Total Dietary Fiber in Foods
		Energy	EASI-CHE-SOP-123 Procedure for calculation of Energy value
			NIN by Gopalan (by Calculation)
		Fatty acid Profile	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Fatty Acid Profile (Saturated Fatty Acids, Mono Unsaturated Fatty Acid, Poly Unsaturated	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Fatty Acid and Trans Fatty Acid)	AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Fatty Acid Profile - Saturated Fatty Acids	AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods

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			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Gluten	EASI-MB-SOP-034 Determination of Gluten Allergens by ELISA
		Hexanal	EASI-CHE-SOP-231- Determination of Hexanal in Food Matrices by GC-MSD-HSS
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
		Moisture	ISO 1442 Meat and meat products — Determination of moisture content (Reference method)
			FSSAI Manual for analysis of meat and meat products & fish and fish products page no.59
			AOAC 935.29 Loss on Drying (Moisture) in Malt
		Monounsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Mustard	EASI-MB-SOP-035 Determination of Mustard Allergens by ELISA
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		pH	FSSAI Manual for analysis of meat and meat products & fish and fish products page no.39
			EASI-CHE-SOP-262 SOP for determination of pH
		Polyphenols as Gallic Acid	ISO 14502 P-1, Determination of substances characteristic of green and black tea — Part 1: Content of total polyphenols in tea — Colorimetric method using Folin-Ciocalteu reagent

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Polyunsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Protein	IS 7219 Method for determination of protein in foods and feeds
		Salt (as NaCl)	FSSAI Manual for analysis of meat and meat products & fish and fish products page no.60
		Saponins	EASI-CHE-SOP-147 Determination of Saponin in food & food products
		Saturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Sieve Analysis	ASTA method 10.0 Sieve Analysis
		Soluble and Insoluble Dietary Fibre	AOAC 991.43 Total, Soluble, and Insoluble Dietary Fiber in Foods
		Sulphur Dioxide (SO ₂)	AOAC 990.28 Sulfites in Foods
		Total Ash	FSSAI Manual for analysis of meat and meat products & fish and fish products page no.61
			AOAC 920.153 Ash of Meat
		Total Dietary Fibre	AOAC 985.29 Total Dietary Fiber in Foods
		Total Fat	FSSAI Manual for analysis of meat and meat products & fish and fish products page no.38
			AOAC 960.39 Fat (Crude) or Ether Extract in Meat
			IS 5960 (P-3) Meat and Meat Products - Methods of Test Part 3 Determination of Total Fat Content (First Revision)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			AOAC 920.39 Fat (Crude) or Ether Extract in Animal Feed
		Fat	AOAC 922.06 Fat in flour
		Total Protein	AOAC 928.08 Nitrogen in Meat
			FSSAI Manual for analysis of meat and meat products & fish and fish products page no.38
		Total Volatile Basic Nitrogen	FSSAI Manual for analysis of meat and meat products & fish and fish products page no.44
		Trans fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Vinyl chloride	EASI-CHE-SOP-190-Determination of acrylonitrile and Vinyl Chloride in food matrices by GC-MSD-HSS
	Milk and Dairy products, Infant Food & formula, Milk cereal Based complementary Foods and follow-up formula and complementary food	Acid Insoluble ash	IS 14433 (P-1) Infant Milk Substitute
			IS 14433 Infant Milk Substitute
		Acidity (As Lactic Acid)	AOAC 920.124 Acidity of Cheese
		Added Sugar	IS 4079 canned Rasogolla
			AOAC 945.66 Total reducing sugars
		Almond Allergen	EASI-CHE-SOP-236 Determination of Almond allergens by ELISA
		Arachidonic Acid (ARA)	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Ash	AOAC 920.108 Ash of Cream
			FSSAI Manual Method
			AOAC 935.42 Ash of Cheese
		Butyro-refractometer Reading at 40 °C	FSSAI Method
		Carnitine	AOAC 2015.10 Free and Total Choline and Carnitine in Infant Formula and Adult/Pediatric Nutritional Formula

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Casein	FSSAI Method
		Cashew allergen	EASI-CHE-SOP-257 Determination of cashew allergens by ELISA
		Chloride	IS 11763 Cheese and Processed Cheese Products – Determination of Chloride Content – Potentiometric Titration Method
		Cholesterol	AOAC 994.10 Cholesterol in Foods
		Choline	IS 5949, Methods for volumetric determination of calcium and magnesium using EDTA
			AOAC 2015.10 Free and Total Choline and Carnitine in Infant Formula and Adult/Pediatric Nutritional Formula
		Crude Fibre	AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food
		Crustacean allergen	EASI-CHE-SOP-271 Determination of Crustaceans allergens by ELISA
		Cyanuric Acid	EASI-CHE-SOP-037 Determination of Melamine and Cyanuric Acid in Milk, Milk Products, Cereals and their products, Fruit & Vegetables and their products and other agricultural products by LC MS-MS
		Description	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Detection of added colouring matter	IS 3507 Method Of Sampling And Test For Butter
		DHA	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Dietary Fiber	AOAC 985.29 Total Dietary Fiber in Foods
			AOAC 991.43 Total, Soluble, and Insoluble Dietary Fiber in Foods

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		Dietary Folate equivalent (DFE)3, (As folic acid)	AOAC 2013.13 Folate in Infant Formula and Adult/Pediatric Nutritional Formula
		Dispersibility	EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		D-Mannitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Egg allergen	EASI-CHE-SOP-259 Determination of Egg white allergens by ELISA
		Erythritol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Fat	IS 2802 Ice-cream
			AOAC 920.111 Fat in cream
			FSSAI Manual Method
			AOAC 932.06 Fat in Dried Milk
			IS 3507 Method Of Sampling And Test For Butter
			IS 2785 NATURAL CHEESE (HARD VARIETY), PROCESSED CHEESE, PROCESSED CHEESE SPREAD AND S-OFT CHEESE
			AOAC 933.05 Fat in Cheese
		Fish allergen	EASI-CHE-SOP-258 Determination of Fish allergens by ELISA
		Free acid	FSSAI Method
		Grain test	EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		Hexanal	EASI-CHE-SOP-231-

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Determination of Hexanal in Food Matrices by GC-MSD-HSS
		Hydrogen cyanamide	EASI-CHE-SOP-66, DETERMINATION OF HCN IN FOOD AND FEEDS BY HPLC-FLD
		Hydrogen Peroxide	FSSAI Method
		Inositol	GB 5413.25: 2010, Method 2
			EASI-CHE-SOP-050 Determination of inositol in infant formula by GC-FID
		Insolubility Index	IS 12759 Dried Milk and Dried Milk Products — Determination of Insolubility Index (First Revision)
			EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		Iodine	JAOAC, Vol. 84(6) Determination of Iodine in Seafood by Inductively coupled plasma/Mass Spectrometry
			AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
			Clause A.2 of IS 7224 IODIZED SALT, VACUUM EVAPORATED IODIZED SALT AND REFINED IODIZED SALT — SPECIFICATION
			ISO 20647 Infant formula and adult nutritionals — Determination of total iodine — Inductively coupled plasma mass spectrometry (ICP-MS)
			IS 17379 Determination of Total Iodine — Inductively Coupled Plasma Mass Spectrometry (ICP-MS)- Iodine

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Lactic Acid	IS 11765 Determination of Titratable Acidity - Titratable Acidity
		Lactitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Lactose	AOAC 920.110 Lactose in Cream
			AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Lactose content	FSSAI Method
		L-Carnitine	AOAC 2012.17,Free and Total Carnitine in Infant and Adult/Pediatric Nutritional Formulas by Liquid Chromatography/Tandem Mass Spectrometry
		Linolenic Acid	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Loss on Drying	AOAC 926.08 Loss on drying (Moisture) in Cheese
			AOAC 920.116 Moisture in Butter
		Maltitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Metominostrobin	EASI-CHE-SOP-040-Determination of Pesticide Residues and PCBs in Milk powder by GC-MS/MS and LC-MS/MS
		Milk Fat	IS 11721 Dried Milk and Dried milk products - Determination of Fat Content - Gravimetric Method (Reference Method)
			FSSAI Method

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			FSSAI Manual Method
		Milk protein* in milk solidsnot fat,	FSSAI Method
		Milk Solids(non-fat)	IS 12299 Dairy Whitener - Specification First Revision
		Milk Solidsnot-Fat (SNF)	FSSAI Method
		Mixed tocopherols concentrate Alpha-tocopherol	REF.,J AOAC 2001.13 Vitamin A (Retinol) in Foods
		Moisture	IS 16072 Determination of Moisture Content in Milk Powder and Similar Products
			AOAC 927.05 Moisture in Dried Milk
			FSSAI Method
			IS 1656 Infant Food — Milk-Cereal Based Complementary Foods — Specification
			IS 3507 Method Of Sampling And Test For Butter
			IS 2785 NATURAL CHEESE (HARD VARIETY), PROCESSED CHEESE, PROCESSED CHEESE SPREAD AND S-OFT CHEESE
		Natural Folates(5-Me THF)	AOAC 2013.13 Folate in Infant Formula and Adult/Pediatric Nutritional Formula
		Neotame	EASI-CHE-SOP-222 Determination of Sweeteners by HPLC
		Neutralizers	FSSAI Method
		Nitrate	AOAC 993.03 Nitrate in Baby Foods
		Nitrogen	AOAC 920.109 Nitrogen (Total) in Cream
			FSSAI Manual Method
		Non Protein nitrogen	FSSAI Manual Method
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		pH	IS 3507 Method Of Sampling And Test For Butter
		Potassium benzoate as Benzoic acid	FSSAI Manual 8, Manual of Food Additives
		Protein	IS 7219 Method for determination of protein in foods and feeds
			FSSAI Manual manual method
			AOAC 930.33 Protein Ice cream & Frozen desserts
			AOAC 930.29 Protein in Dried Milk
			AOAC 991.20 Nitrogen (Total) in Milk
			IS:11917 Determination of Nitrogen Content-Kjeldahl Principle and Crude Protein Calculation- Milk protein in milk solids not fat
			IS 11917 Determination of Nitrogen Content — Kjeldahl Principle and Crude Protein Calculation - Total protein ($N \times 6.25$)
			IS 11917 Determination of Nitrogen Content — Kjeldahl Principle and Crude Protein Calculation Total milk protein
			ISO-8968-1:2014 Determination of Nitrogen content- Milk protein in milk solids not fat
			AOAC 2001.14 Nitrogen (Total) in Cheese
		Salt	IS 3507 Method Of Sampling And Test For Butter
		Salt(as NaCl)	IS 2785 NATURAL CHEESE (HARD VARIETY), PROCESSED CHEESE, PROCESSED CHEESE SPREAD AND S-OFT CHEESE

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Scorched particle	EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		Scorched Particles	IS 13500 Spray Dried Milk Powders - Scorched Particles - Determination
		Se	IS 15303 Determination of Antimony, Iron and Selenium in Water by Electrothermal Atomic Absorption Spectrometric Method
		Secbumeton	EASI-CHE-SOP-040- Determination of Pesticide Residues and PCBs in Milk powder by GC-MS/MS and LC-MS/MS
		Sodium benzoate as Benzoic acid	FSSAI Manual 8, Manual of Food Additives
		Solubility	Annex F of 14433 INFANT MILK SUBSTITUTES - SPECIFICATION
			IS 12759 Dried Milk and Dried Milk Products — Determination of Insolubility Index (First Revision)
		Sorbitol content	EASI-CHE-SOP-234, Determination of sorbitol and Xylose by HPLC
		Soya Allergens	EASI-MB-SOP-037 Determination of Soya allergens by ELISA
		Sucralose	EASI-CHE-SOP-138, DETERMINATION OF SUCRALOSE BY HPLC
		Sugar	AOAC 945.66 Total reducing sugars
		Sugar Alcohols(D-Mannitol, Maltitol, Xylitol, Iso maltose, Erythritol, lactitol)	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Sulphated ash	IS 15279 Sugar and Sugar Products

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		Taurine	AOAC 997.05 Taurine in Powdered Milk and Powdered Infant Formulae
		Test for Ammonium Compounds	FSSAI Manual Method
		Test for Anionic detergents	FSSAI Manual Method
		Test for Boric acid and Borates	FSSAI Manual Method
		Test for Cane sugar (Sucrose) in milk	FSSAI Manual Method
		Test for Cellulose	FSSAI Manual Method
		Test for Formalin	FSSAI Manual Method
		Test for Glucose in Milk	FSSAI Manual Method
		Test for Hypochlorites & Chloramines	FSSAI Manual Method
		Test for Maltodextrin	IS 1479 (P-2) Method of test for for dairy industry, Part 2: Chemical analysis of milk
		Test for Nitrate	FSSAI Manual Method
		Test for Salicylic acid	FSSAI Manual Method
		Test for Sodium Chloride	FSSAI Manual Method
		Test for Starch	FSSAI Manual Method
		Test for Sulphate	FSSAI Manual Method
		Test for Urea	FSSAI Manual Method
		Titratable acidity	IS 11766 Method For Determination Of Titratable Acidity In Milk Powder And Similar Products (routine Method)
			IS 3507 Method Of Sampling And Test For Butter
		Titratable acidity (as % lactic acid)	FSSAI Manual Method
		Titratable Acidity(As Lactic Acid)	IS 1165 Whole Milk Powder
		Total Added Sugar	IS 4079 Canned Rasogolla
		Total ash	IS 14433 (P-1) Infant milk substitutes, Milk Protein Based
			IS 14433 Infant Milk Substitute
			IS 1165 Whole Milk Powder

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			AOAC 930.30 Ash of Dried Milk
			FSSAI Manual Method
			IS 1656 Infant Food — Milk-Cereal Based Complementary Foods — Specification
			AOAC 945.46 Ash of Milk
		Total Carbohydrates	EASI-CHE-SOP-123 Procedure for calculation of Energy value
			AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula
		Total Chloride	AOAC 935.43 Chloride (Total) in Cheese
		Total Fat	IS 11721 Dried Milk and Dried milk products - Determination of Fat Content - Gravimetric Method (Reference Method)
			IS 1165 Whole Milk Powder
			IS 1656 Infant Food — Milk-Cereal Based Complementary Foods — Specification
			AOAC 945.48 Evaporated Milk (Unsweetened)
		Total Solids	IS 2802 Ice-cream
			FSSAI Manual manual method
			IS 1165 Whole Milk Powder
			FSSAI Manual Method

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical continued	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food continued	Vitamin A	AOAC 2001.13 Vitamin A (Retinol) in Foods by Liquid Chromatography
		Vitamin B1 (Thiamin)	BS EN 14122, Foodstuffs — Determination of vitamin B1 by HPLC
		Vitamin B12	AOAC 2011.10 Vitamin B12 in Infant Formula and Adult Nutritionals
		Vitamin B2 (Riboflavin)	AOAC 2015.14 Total Vitamins B1, B2, and B6 in Infant Formula and Related Nutritionals
		Vitamin B3	BS EN 15652, Foodstuffs — Determination of niacin by HPLC
		Vitamin B5	EASI-CHE-SOP-020, DETERMINATION OF PANTOTHENIC ACID (VITAMIN B5) IN FOOD, FEED, NEUTRACEUTICALS AND PREMIXES
			IS 16642 Determination Of Pantothenic Acid by Ultra High-Performance Liquid Chromatography and Tandem Mass Spectrometry Method (UHPLC-MS/MS) - Pantothenic Acid
		Vitamin B6	BS EN 14164, Foodstuffs- Determination of vitamin B6 by HPLC
		Vitamin B7 (Biotin)	EASI-CHE-SOP-70, DETERMINATION OF BIOTIN (VITAMIN B7) IN

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			FOOD, FEED, NEUTRACEUTICAL AND PREMIX SAMPLES
			IS 17670 Determination of total biotin by liquid chromatography coupled with immunoaffinity column clean-up extraction-Biotin
		Vitamin B9	EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Neutraceutical and Premix Samples
			AOAC 2011.06, Total Folates in Infant Formula and Adult Nutr
		Vitamin B9 (as dietary folate Equivalent)	EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Neutraceutical and Premix Samples
		Vitamin B9 (Folic acid)	AOAC 2013.13 Folate in Infant Formula and Adult/Pediatric Nutritional Formula
		Vitamin C	IS 5838, METHODS FOR ESTIMATION OF VITAMIN C IN FOODSTUFFS
			AOAC 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula
		Vitamin D	ISO 14892, Dried skimmed milk — Determination of vitamin D content using high-performance liquid chromatography
			AOAC 2011.11 Vitamin D in Infant Formula and Adult/Pediatric Nutritional Formula
			AOAC 2011.12 Determination of Vitamins D2 and D3 in Infant Formula and Adult Nutritionals by Ultra-Pressure Liquid Chromatography

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			with Tandem Mass Spectrometry Detection (UPLC-MS/MS)
		Vitamin D2	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin D3	AOAC 2002.05 Cholecalciferol (Vitamin D3) in Selected Foods
			AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin E	JAOAC 2001.13 Determination of Vitamins A (Retinol) and E (alpha-Tocopherol) in Foods by Liquid Chromatography: Collaborative Study
		Vitamin K2	AOAC 999.15 AOAC Official Method 999.15 Vitamin K in Milk and Infant Formulas Liquid Chromatographic Method
			FSSAI Manual manual method
		Weight per Liter and over Run in Ice cream	IS 2802 Ice-cream
		Wettability	EASI-CHE-SOP-214 Procedure for Physical parameter of milk powder
		Xylitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
	Nutraceutical, Health Supplement & Nutritional Supplement Food Products and by products including	Acid Insoluble Ash	AOAC 923.03 Ash of Flour
		Amino acids - Total profile (Except tryptophan)	EASI-CHE-SOP-025, Determination of Amino acids by HPLC-FLD after derivatization with AQC
		Chloride	IS 11763 Cheese and Processed Cheese Products –

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
	Fortified Food (Rice, Cereal, Juice, Oil, Bakery ware, Milk, Atta, Maida, Salt)		Determination of Chloride Content – Potentiometric Titration Method
		Cholesterol	AOAC 994.10 Cholesterol in Foods
		Choline	AOAC 2015.10 Free and Total Choline and Carnitine in Infant Formula and Adult/Pediatric Nutritional Formula
			AOAC 999.14 Choline in Infant Formula and Milk
			EASI-CHE-SOP-201, Determination of Choline and Carnitine (Free and total) in Infant Formula and Adult/Pediatric Nutritional Formula by LC-MS/MS
		Crude Fibre	AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food
		Cyanuric acid	EASI-CHE-SOP-203 Determination of Melamine and Cyanuric Acid By LC-MS/MS.
		DHA	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Dietary Fiber	AOAC 985.29 Total Dietary Fiber in Foods
		Inositol	EASI-CHE-SOP-050 Determination of inositol in infant formula by GC-FID
		Insolubility Index	IS 12759 Dried Milk and Dried Milk Products — Determination of Insolubility Index (First Revision)
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
		Lactose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		L-Carnitine	AOAC 2012.17, Free and Total Carnitine in Infant and Adult/Pediatric Nutritional

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Formulas by Liquid Chromatography/Tandem Mass Spectrometry
		Linolenic Acid	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Moisture	AOAC 935.29 Loss on Drying (Moisture) in Malt
		Monounsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Non Protein nitrogen	FSSAI Manual for analysis of milk and milk products page no. 49
		Omega 3	EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
		Omega 6	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Omega 6	EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
		Omega 9	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			ACIDS) BY GAS CHROMATOGRAPH
		PABA(Para amino benzoic acid)	EASI-CHE-SOP-239, Determination of P-Amino Benzoic Acid By HPLC
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		Polyunsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Protein	IS 7219 Method for determination of protein in foods and feeds
		Saturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Solubility percent	IS 14433 Infant Milk Substitute
		Sugar	AOAC 945.66 Total reducing sugars
		Total Ash	AOAC 923.03 Ash of Flour
		Total Carbohydrates	EASI-CHE-SOP-123 Procedure for calculation of Energy value
			AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula
		Fat	AOAC 922.06 Fat in flour
		Trans fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Tryptophan	AOAC 2017.03 Total Tryptophan in an Infant Formula and Adult/Pediatric Nutritional Formula
		Vinyl chloride	EASI-CHE-SOP-190- Determination of acrylonitrile and Vinyl Chloride in food matrices by GC-MSD-HSS
		Vitamin A	AOAC 2001.13 Vitamin A (Retinol) in Foods by Liquid Chromatography

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Vitamin A	AOAC 2012.10 Simultaneous determination of 13-cis and all trans Vitamin A(Retinyl palmitate) and Vitamin A Acetate (Retinal Acetate) and Total vitamin E (di- α -Tocopherol and di-di- α -Tocopherol Acetate) in Infant food and Adult Nutritionals
		Determination of Vitamin E and Vitamin A by Normal Phase High Performance Liquid Chromatography Vitamin A (as retinol equivalent, RE)	ISO 20633: 2015
		Determination of Vitamin E and Vitamin A by Normal Phase High Performance Liquid Chromatography Vitamin E (as α -tocopherol equivalent)	IS 16639: 2018
		Vitamin B1 (Thiamin)	BS EN 14122, Foodstuffs — Determination of vitamin B1 by HPLC
			AOAC 2015.14 Total Vitamins B1, B2, and B6 in Infant Formula and Related Nutritionals
		Vitamin B12	AOAC 2011.09 Vitamin B12 in Infant Formula and Adult Nutritionals
		Vitamin B2 (Riboflavin)	BS EN 14152, Foodstuffs — Determination of vitamin B2 by HPLC
			AOAC 2015.14 Total Vitamins B1, B2, and B6 in Infant Formula and Related Nutritionals
		Vitamin C	EASI-CHE-SOP-112, Determination of Vitamin C in Food, Feed, Nutraceutical and Premix Samples
		Vitamin B3	BS EN 15652, Foodstuffs — Determination of niacin by HPLC

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			EASI-CHE-SOP-154, DETERMINATION OF VITAMIN B3, B5, B7, B9 IN NUTRACEUTICALS AND COMPLEMENTARY FOOD PRODUCTS BY LC-MS/MS
		Vitamin B5	EASI-CHE-SOP-020, DETERMINATION OF PANTOTHENIC ACID (VITAMIN B5) IN FOOD, FEED, NUTRACEUTICALS AND PREMIXES
		Vitamin B5	EASI-CHE-SOP-154, DETERMINATION OF VITAMIN B3, B5, B7, B9 IN NUTRACEUTICALS AND COMPLEMENTARY FOOD PRODUCTS BY LC-MS/MS
		Vitamin B6	BS EN 14164, Foodstuffs- Determination of vitamin B6 by HPLC
			AOAC 2015.14 Total Vitamins B1, B2, and B6 in Infant Formula and Related Nutritionals
		Vitamin B7 (Biotin)	EASI-CHE-SOP-70, DETERMINATION OF BIOTIN (VITAMIN B7) IN FOOD, FEED, NUTRACEUTICAL AND PREMIX SAMPLES
			EASI-CHE-SOP-154, DETERMINATION OF VITAMIN B3, B5, B7, B9 IN NUTRACEUTICALS AND COMPLEMENTARY FOOD PRODUCTS BY LC-MS/MS
		Vitamin B9	EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Nutraceutical and Premix Samples
			AOAC 2011.06, Total Foliates in Infant Formula and Adult Nutr
			EASI-CHE-SOP-154, DETERMINATION OF VITAMIN B3, B5, B7, B9 IN

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			NUTRACEUTICALS AND COMPLEMENTARY FOOD PRODUCTS BY LC-MS/MS
		Vitamin B9 (Folic acid)	EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Nutraceutical and Premix Samples
		Vitamin C	AOAC 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula
			IS 5838, METHODS FOR ESTIMATION OF VITAMIN C IN FOODSTUFFS
		Vitamin D	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
			AOAC 2011.11 Vitamin D in Infant Formula and Adult/Pediatric Nutritional Formula
			AOAC 2011.12 Determination of Vitamins D2 and D3 in Infant Formula and Adult Nutritionals by Ultra-Pressure Liquid Chromatography with Tandem Mass Spectrometry Detection (UPLC-MS/MS)
		Vitamin D2	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin D3	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin E	JAOAC 2001.13 Determination of Vitamins A (Retinol) and E (alpha-

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Tocopherol) in Foods by Liquid Chromatography: Collaborative Study
		Vitamin E	AOAC 2012.10 Simultaneous determination of 13-cis and all trans Vitamin A(Retinyl palmitate) and Vitamin A Acetate (Retinal Acetate) and Total vitamin E (di- α - Tochopherol and di-di- α - Tochopherol Acetate) in Infant food and Adult Nutritionals
		Vitamin K	AOAC 999.15 AOAC Official Method 999.15Vitamin K in Milk and Infant FormulasLiquid Chromatographic Method
		Water Activity	EASI-CHE-SOP-215Procedure for Water Activity
	Nutritional supplements	Acid Insoluble Ash	AOAC 923.03 Ash of Flour
		Amino acids	EASI-CHE-SOP- 025,Determination of Amino acids by HPLC-FLD after derivatization with AQC
		Amino acids - Total profile (Except tryptophan)	EASI-CHE-SOP- 025,Determination of Amino acids by HPLC-FLD after derivatization with AQC
		Chloride	IS 11763 Cheese And Processed Cheese Products — Determination Of Chloride Content — Potentiometric Titration Method
		Cholesterol	AOAC 994.10 Cholesterol in Foods
		Choline	EASI-CHE-SOP- 201,Determination of Choline and Carnitine (Free and total) in Infant Formula and Adult/Pediatric Nutritional Formula by LC-MS/MS
			AOAC 2015.10 Free and Total Choline and Carnitine in Infant Formula and Adult/Pediatric Nutritional Formula

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			AOAC 999.14 Choline in Infant Formula and Milk
		Crude Fibre	AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food
		DHA	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Dietary Fiber	AOAC 985.29 Total Dietary Fiber in Foods
		Inositol	EASI-CHE-SOP-050 Determination of inositol in infant formula by GC-FID
		Insolubility Index	IS 12759 Dried Milk and Dried Milk Products — Determination of Insolubility Index (First Revision)
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
		Lactose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		L-Carnitine	AOAC 2015.10 Free and Total Choline and Carnitine in Infant Formula and Adult/Pediatric Nutritional Formula
			AOAC 2012.17,Free and Total Carnitine in Infant and Adult/Pediatric Nutritional Formulas by Liquid Chromatography/Tandem Mass Spectrometry
		Linolenic Acid	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Moisture	AOAC 935.29 Loss on Drying (Mois ture) in Malt
		Monounsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Non Protein nitrogen	FSSAI Manual for analysis of milk and milk products page no. 49
		Omega 3	EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
		Omega 6	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
		Omega 9	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
		PABA (Para amino benzoic acid)	EASI-CHE-SOP-239, Determination of P-Amino Benzoic Acid By HPLC
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		Polyunsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Protein	IS 7219 Method for determination of protein in foods and feeds
		Saturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Solubility percent	IS 14433 Infant Milk Substitute
		Sugar	AOAC 945.66 Total reducing sugars
		Total Ash	AOAC 923.03 Ash of Flour
		Total Carbohydrates	EASI-CHE-SOP-123 Procedure for calculation of Energy value
			AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula
		Fat	AOAC 922.06 Fat in flour
		Trans fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Tryptophan	AOAC 2017.03 Total Tryptophan in an Infant Formula and Adult/Pediatric Nutritional Formula
		Vitamin A	AOAC 2001.13 Vitamin A (Retinol) in Foods by Liquid Chromatography
			AOAC 2012.10 Simultaneous determination of 13-cis and all trans Vitamin A(Retinyl palmitate) and Vitamin A Acetate (Retinal Acetate) and Total vitamin E (di-α-Tochopherol and di-di-α-Tochopherol Acetate) in Infant food and Adult Nutritionals
		Vitamin B1 (Thiamin)	AOAC 2015.14 Total Vitamins B1, B2, and B6 in Infant Formula and Related Nutritionals
			BS EN 14122, Foodstuffs — Determination of vitamin B1 by HPLC

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Vitamin B12	AOAC 2011.10 Vitamin B12 in Infant Formula and Adult Nutritionals
		Vitamin B2 (Riboflavin)	BS EN 14152, Foodstuffs — Determination of vitamin B2 by HPLC
			AOAC 2015.14 Total Vitamins B1, B2, and B6 in Infant Formula and Related Nutritionals
		Vitamin C	EASI-CHE-SOP-112, Determination of Vitamin C in Food, Feed, Nutraceutical and Premix Samples
		Vitamin B3	EASI-CHE-SOP-154, DETERMINATION OF VITAMIN B3, B5, B7, B9 IN NUTRACEUTICALS AND COMPLEMENTARY FOOD PRODUCTS BY LC-MS/MS
			BS EN 15652, Foodstuffs — Determination of niacin by HPLC
		Vitamin B5	EASI-CHE-SOP-020, DETERMINATION OF PANTOTHENIC ACID (VITAMIN B5) IN FOOD, FEED, NUTRACEUTICALS AND PREMIXES
			EASI-CHE-SOP-154, DETERMINATION OF VITAMIN B3, B5, B7, B9 IN NUTRACEUTICALS AND COMPLEMENTARY FOOD PRODUCTS BY LC-MS/MS
		Vitamin B6	AOAC 2015.14 Total Vitamins B1, B2, and B6 in Infant Formula and Related Nutritionals
			BS EN 14164, Foodstuffs- Determination of vitamin B6 by HPLC
		Vitamin B7 (Biotin)	EASI-CHE-SOP-154, DETERMINATION OF VITAMIN B3, B5, B7, B9 IN NUTRACEUTICALS AND

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			COMPLEMENTARY FOOD PRODUCTS BY LC-MS/MS
			EASI-CHE-SOP-70, DETERMINATION OF BIOTIN (VITAMIN B7) IN FOOD, FEED, NEUTRACEUTICAL AND PREMIX SAMPLES
		Vitamin B9	AOAC 2011.06, Total Folates in Infant Formula and Adult Nutr
			EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Neutraceutical and Premix Samples
			EASI-CHE-SOP-154, DETERMINATION OF VITAMIN B3, B5, B7, B9 IN NUTRACEUTICALS AND COMPLEMENTARY FOOD PRODUCTS BY LC-MS/MS
		Vitamin B9 (Folic acid)	EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Neutraceutical and Premix Samples
		Vitamin C	IS 5838, METHODS FOR ESTIMATION OF VITAMIN C IN FOODSTUFFS
			AOAC 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula
		Vitamin D	AOAC 2011.11 Vitamin D in Infant Formula and Adult/Pediatric Nutritional Formula
			ISO 14892, Dried skimmed milk — Determination of vitamin D content using high-performance liquid chromatography
			AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			AOAC 2011.12 Determination of Vitamins D2 and D3 in Infant Formula and Adult Nutritionals by Ultra-Pressure Liquid Chromatography with Tandem Mass Spectrometry Detection (UPLC-MS/MS)
		Vitamin D2	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin D3	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin E	JAOAC 2001.13 Determination of Vitamins A (Retinol) and E (alpha-Tocopherol) in Foods by Liquid Chromatography: Collaborative Study
			AOAC 2012.10 Simultaneous determination of 13-cis and all trans Vitamin A(Retiny)l palmitate) and Vitamin A Acetate (Retinal Acetate) and Total vitamin E (di-α-Tochopherol and di-di-α-Tochopherol Acetate) in Infant food and Adult Nutritionals
		Vitamin K	AOAC 999.15 AOAC Official Method 999.15 Vitamin K in Milk and Infant Formulas Liquid Chromatographic Method
		Water Activity	EASI-CHE-SOP-215 Procedure for Water Activity
	Food & Feed Products (Food & Agriculture products, Marine & Aquaculture, Animal	Acid Insoluble Ash	IS 4684 Edible Groundnut flour (Expeller Pressed)
		Acidity of extracted fat,	IS 4684 Edible Groundnut flour (Expeller Pressed)
		Alachlor	EASI-CHE-SOP-021

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
	Food & Feed, Nutraceutical, Health Supplement, Fortified Food,		Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
	Processed Food, Proprietary Food, Food Additives, Edible Colors, Flavours, Milk and milk products, Infant formula, follow up formula, Spices and its products, Cereals and its products, bakery and confectionary, fruits and vegetables and its products, nut and nut products, Tea, Coffee and Cocoa products	Aroma	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Ash	AOAC 950.49 Ash of Nuts and nut Products
		Bitertanol	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Chloride	AOAC 950.52 Sodium chloride in nuts and nut products.
		Crude Fiber	AOAC 935.53 Fiber (Crude) in Nuts and Nut Products
			AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food
		Cut & broken	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Damaged/Discolored/ defective	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Defects	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Description	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Fat	AOAC 948.22 Fat (Crude) IN Nut & Nut Products
		Foreign matter	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Fungal identification/ moulds	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Gluten Allergens	EASI-MB-SOP-034 Determination of Gluten Allergens by ELISA
		Hexanal	EASI-CHE-SOP-231-

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Determination of Hexanal in Food Matrices by GC-MSD-HSS
		Impurity as extraneous matter	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Insect damaged kernels	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
		Length	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Moisture	AOAC 934.06 Moisture in Dried Fruits
			AOAC 925.40 Moisture in Nut and Nut products
		Mouth Feel	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Natural colours (Ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel, Curcumin, Riboflavin, Chlorophyll, Beta carotene)	FSSAI Manual of food additives
		Number of pieces	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Other seed	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA-Peanut protein
		Physical Purity (100-Extraneous matter)	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Protein	IS 7219 Method for determination of protein in foods and feeds
			AOAC 950.48 Protein (Crude) in Nut & Nut Products
		Rodent contamination	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Split Fruits	EASI-CHE-SOP-209 Procedure for physical parameters in food

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Texture	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Thickness	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Total Sugar	AOAC 945.66 Total reducing sugars
		Unopened shells	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Unripe and marked fruits	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Vinyl chloride	EASI-CHE-SOP-190- Determination of acrylonitrile and Vinyl Chloride in food matrices by GC-MSD-HSS
		Visual Inspection	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Water Activity	EASI-CHE-SOP-215 Procedure for Water Activity
		Width	EASI-CHE-SOP-209 Procedure for physical parameters in food
	Processed food, Ready to eat food, Proprietary food and Canned food	Cyanuric acid	EASI-CHE-SOP-203 Determination of Melamine and Cyanuric Acid By LC-MS/MS.
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		Vinyl chloride	EASI-CHE-SOP-190- Determination of acrylonitrile and Vinyl Chloride in food matrices by GC-MSD-HSS
	Sweetening agents (Sugar boiled confectionery, SUGAR, GUR OR JAGGERY)	Acesulfame	FSSAI Lab manual 8 Page. 65
		Acid Insoluble Ash	IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
		Acid Insoluble Ash	IS 12711 Bakery products - Methods of analysis
		Acidity	IS 4941 Extracted honey

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Acidity of Extracted Fat	IS 12711 Bakery products - Methods of analysis
			IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
		Alcoholic Acidity	IS 12711 Bakery products - Methods of analysis
			IS 1009 (Wheat Flour) maida for General Purposes
		Alcoholic Acidity (as H ₂ SO ₄) in 90 % alcohol	IS 12711 Bakery products - Methods of analysis
		Ammonical Nitrogen	IS 4467 Caramel
		Aspartame	FSSAI Lab manual 8 Page. 65
		Benzoic Acid/Benzoyl Peroxide	FSSAI Lab manual 8 Page. 13
			AOAC 994.11 Benzoic acid in orange juice
		BHA	FSSAI manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		BHT	FSSAI Lab manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		Brilliant Blue	FSSAI Manual 8, HPLC-DAD
		Bulk Density	ASTA Method 25.0 Bulk Index/Bulk Density
		Carbohydrates	AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula
			By calculation/NIN method
		Carmoisine	FSSAI Manual 8, HPLC-DAD
		Chloride	IS 11763 Cheese and Processed Cheese Products – Determination of Chloride Content – Potentiometric Titration Method
			AOAC 2016.03 Chloride in Milk, Milk Powder, Whey Powder, Infant Formula, and Adult Nutritionals

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Cholesterol	AOAC 994.10 Cholesterol in Foods
		Colour intensity	IS 4467 Caramel
		Conductivity Ash	IS 15279 Sugar and Sugar Products
		Crude Fiber	IS 12711 Bakery products - Methods of analysis
		Crude Fibre	AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food
		Description	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Determination of Grade	IS 498 Grading of Vacuum pan (Plantation Sugar)
		Dietary Fiber	AOAC 985.29 Total Dietary Fiber in Foods
		Energy	EASI-CHE-SOP-123 Procedure for calculation of Energy value NIN by Gopalan (by Calculation)
		Equivalent dextrose (ED)	IS:873 Liquid Glucose
		Erythrosine	FSSAI Manual 8, HPLC-DAD
		Fast green	FSSAI Manual 8, HPLC-DAD
		Fat	IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
			IS 12711 Bakery products - Methods of analysis
		Fatty acid Profile	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Fatty Acid Profile (Saturated Fatty Acids, Mono Unsaturated Fatty Acid, Poly Unsaturated Fatty Acid and Trans Fatty Acid)	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED,

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			UNSATURATED, TRANS FATTY ACIDS, Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Fatty Acid Profile - Saturated Fatty Acids	AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Fatty Acid Profile-Mono Unsaturated Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Fatty Acid Profile-Poly Unsaturated Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Fatty Acid Profile-Trans Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Fiehe's Test	IS 4941 Extracted honey
		Fructose	AOAC 935.63 Fructose in Sugars and Syrups
		Fructose-Glucose Ratio	IS 4941 Extracted honey
		Glucose	AOAC 935.62 Glucose in Sugars and Syrups
		HMF	IS 4941: 2008/IFU 69
		ICUMSA Colour	IS 15279 Sugar and Sugar Products
		Indigo Carmine	FSSAI Manual 8, HPLC-DAD
		Insoluble Matter	IS 15279 Sugar and Sugar Products
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
			JAOAC, Vol. 84(6) Determination of Iodine in Seafood by Inductively coupled plasma/Mass Spectrometry
		L-Ascorbyl palmitate, Propyl Gallate	EASI-CHE-SOP-55, DETERMINATION OF ANTIOXIDANTS (BHA, BHT, TBHQ, Propyl gallate and Ascorbyl palmitate) IN FOOD SAMPLES
		Loss on Drying	IS 15279 Sugar and Sugar Products
		Moisture	IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
			IS 12711 Bakery products - Methods of analysis
			IS 4941 Extracted honey
			AOAC 969.38 Moisture in Honey
			AOAC 935.29 Loss on Drying (Moisture) in Malt

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Monounsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Optical Density @660nm	IS 4941 Extracted honey
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		pH	EASI-CHE-SOP-262 SOP for determination of pH
		POLARIZATION	IS 15279 Sugar and Sugar Products
		Polyphenols as Gallic Acid	ISO 14502 P-1, Determination of substances characteristic of green and black tea — Part 1: Content of total polyphenols in tea — Colorimetric method using Folin-Ciocalteu reagent
		Polyunsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Ponceau 4R	FSSAI Manual 8, HPLC-DAD
		Propionate As Propionic Acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC-UV
		Protein	IS 7219 Method for determination of protein in foods and feeds
			AOAC 920.176 Nitrogen in Sugar & Syrups
		Saccharin	FSSAI Lab manual 8 Page.65
		Saponins	EASI-CHE-SOP-147 Determination of Saponin in food & food products
		Saturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula,

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			and Adult/Pediatric Nutritional Formula
		Sieve Analysis	ASTA method 10.0 Sieve Analysis
		Solid content	IS 4467 Caramel
		Soluble and Insoluble Dietary Fibre	AOAC 991.43 Total, Soluble, and Insoluble Dietary Fiber in Foods
		Sorbic Acid (As Calcium, Sodium, Potassium Salt)	FSSAI Lab manual 8 Page. 106 by HPLC-UV
		Specific Conductivity	IS 1151 Refined Sugar-Specification
		Specific Gravity	IS 4941 Extracted honey
		Specific optical rotation	IS 15279 Sugar and Sugar Products
		Sucrose	IS 12711 Bakery products - Methods of analysis
			IS 4941 Extracted honey
			AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Fructose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Glucose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Lactose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Maltose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Sucrose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sulphated ash	AOAC 900.02 Ash of Sugars and Syrups
			IS 15279 Sugar and Sugar Products
		Sulphur dioxide (as SO ₂)	AOAC 990.28 Sulfites in Foods
		Sulphur Dioxide (SO ₂)	AOAC 990.28 Sulfites in Foods

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Sunset Yellow	FSSAI Manual 8, HPLC-DAD
		Tartrazine	EASI-CHE-SOP-105, Determination of Synthetic food colors in food and food products
		TBHQ	FSSAI manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		Total Ash	IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
			IS 4941 Extracted honey
			AOAC 900.02 Ash of Sugars and Syrups
		Total Dietary Fibre	AOAC 985.29 Total Dietary Fiber in Foods
		Fat	AOAC 922.06 Fat in flour
		Total Fat	AOAC 920.39 Fat (Crude) or Ether Extract in Animal Feed
		Total Nitrogen	IS 4467 Caramel
		Total reducing Sugar	AOAC 945.66 Total reducing sugars

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical	Sweetening agents (Sugar boiled confectionery, SUGAR, GUR OR JAGGERY) continued	Total Reducing Sugar As Invert Sugar	IS 4941 Extracted honey
		Total Solid	IS 12711 Bakery products - Methods of analysis
		Total Solids	IS 4941 Extracted honey
		Total sulphur	EASI-CHE-SOP-59 Determination of Sulphur in grapes by HPLC-UV/DAD
		Trans fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Vitamin C	AOAC 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula
	Sweets & Confectionery products including honey, sugar, chocolates and its products	Acesulfame	FSSAI Lab manual 8 Page. 65
		Acid insoluble ash	IS 1011 Biscuits-Specification
			IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
			IS 12711 Bakery products - Methods of analysis
			IS 6747 Chewing Gum and Bubble Gum
			IS 6287 METHODS OF SAMPLING AND ANALYSIS FOR SUGAR CONFECTIONERY
			IS 1163 Chocolates
			IS 3077 ROASTED AND GROUND COFFEE

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			IS 1164 Cocoa Powder
			AOAC 920.93 Ash of Roasted Coffee
		Acidity	IS 4941 Extracted honey
		Acidity of extracted fat	IS 1011 Biscuits-Specification
			IS 12711 Bakery products - Methods of analysis
			IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
		Alkalinity of soluble ash	IS 3077 ROASTED AND GROUND COFFEE
			IS 1164 Cocoa Powder
		Alcoholic Acidity	IS 12711 Bakery products - Methods of analysis
			IS 1009 (wheat flour) Maida for General Purposes
		Alcoholic Acidity (as H ₂ SO ₄) in 90 % alcohol	IS 12711 Bakery products - Methods of analysis
		Alkalinity of Ash (ml of 1M HCl/100 g)	AOAC 920.93 Ash of Roasted Coffee
		Almond Allergen	EASI-CHE-SOP-236 Determination of Almond allergens by ELISA
		Aroma	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Aspartame	FSSAI Lab manual 8 Page. 65
		Benzoic Acid/Benzoyl Peroxide	FSSAI Lab manual 8 Page. 13
		Benzoic acid/Benzoyl Peroxide	AOAC 994.11 Benzoic acid in orange juice
		BHA	FSSAI manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		BHT	FSSAI Lab manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		Brilliant Blue	FSSAI Manual 8, HPLC-DAD

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Bulk Density	ASTA Method 25.0 Bulk Index/Bulk Density
		Caffeine	IS 16028, Coffee and Coffee Products - Determination of the Caffeine Content Using High Performance Liquid Chromatography (HPLC)
		Carbohydrates	AOAC 986.25 Proximate Analysis of Milk-Based Infant Formula By calculation/NIN method
		Carmoisine	FSSAI Manual 8, HPLC-DAD
		Carnitine	EASI-CHE-SOP-201, Determination of Choline and Carnitine (Free and total) in Infant Formula and Adult/Pediatric Nutritional Formula by LC-MS/MS
		Cashew allergen	EASI-CHE-SOP-257 Determination of cashew allergens by ELISA
		Chloride	IS 11763 Cheese and Processed Cheese Products – Determination of Chloride Content – Potentiometric Titration Method
			AOAC 2016.03 Chloride in Milk, Milk Powder, Whey Powder, Infant Formula, and Adult Nutritional
		Cholesterol	AOAC 994.10 Cholesterol in Foods
		Choline	EASI-CHE-SOP-201, Determination of Choline and Carnitine (Free and total) in Infant Formula and Adult/Pediatric Nutritional Formula by LC-MS/MS
		Cocoa butter	IS 1164 Cocoa Powder
		Cocoa Solids	IS 1163 Chocolates
		Crude fibre	IS 1164 Cocoa Powder
			AOAC 962.09 Fiber (Crude) in Animal Feed and Pet Food
		Crustacean allergen	EASI-CHE-SOP-271

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
			Determination of Crustaceans allergens by ELISA
		Description	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Diastase activity	AOAC 958.09 Diastatic activity of honey
		Dietary Fiber	AOAC 985.29 Total Dietary Fiber in Foods
		D-Mannitol	EASI-CHE-SOP-237
			Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso- Erythritol and Lactitol by HPLC
		Egg allergen	EASI-CHE-SOP-259
			Determination of Egg white allergens by ELISA
		Electrical conductivity	Methods of the International Honey Commission
		Energy	EASI-CHE-SOP-123 Procedure for calculation of Energy value
			NIN by Gopalan (by Calculation)
		Erythritol	EASI-CHE-SOP-237
			Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso- Erythritol and Lactitol by HPLC
		Erythrosine	FSSAI Manual 8, HPLC-DAD
		Ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel	FSSAI Manual for Food additives
		Fast green	FSSAI Manual 8, HPLC-DAD
		Fat	IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
			IS 12711 Bakery products - Methods of analysis
		Fatty acid Profile	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products

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		Fatty Acid Profile (Saturated Fatty Acids, Mono Unsaturated Fatty Acid, Poly Unsaturated Fatty Acid and Trans Fatty Acid)	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Fatty Acid Profile - Saturated Fatty Acids	AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Fatty Acid Profile-Mono Unsaturated Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Fatty Acid Profile-Poly Unsaturated Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Fatty Acid Profile-Trans Fatty Acid	ISO 5509 Animal and vegetable fats and oils — Preparation of methyl esters of fatty acids
			AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 996.06 Fat (Total, Saturated, and Unsaturated) in Foods
		Fiehe's Test	IS 4941 Extracted Honey
		Filth	IS 1163 Chocolates
		Fish allergen	EASI-CHE-SOP-258 Determination of Fish allergens by ELISA
		Foreign matter	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Free acidity milli equivalents acid/1000g	AOAC 962.19 Acidity (Free, Lactone and Total) in Honey
		Free from Chicory	EASI-CHE-SOP-209 Procedure for physical parameters in food
		Fructose	AOAC 935.63 Fructose in Sugars and Syrups
		Fructose-Glucose Ratio	IS 4941 Extracted Honey
		Glucose	AOAC 935.62 Glucose in Sugars and Syrups
		Gum Base Content	IS 6747 Chewing Gum and Bubble Gum
		Hexanal	EASI-CHE-SOP-231- Determination of Hexanal in Food Matrices by GC-MSD-HSS
		HMF	AOAC 980.23 Hydroxymethyl Furfural in Honey
			IS 4941: 2008/IFU 69
		Hydrogen cyanamide	EASI-CHE-SOP-66, DETERMINATION OF HCN IN FOOD AND FEEDS BY HPLC-FLD
		Indigo Carmine	FSSAI Manual 8, HPLC-DAD

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Iodine	AOAC 2012.15 Total Iodine in Infant Formula and Adult/Pediatric Nutritional Formul
			JAOAC, Vol. 84(6) Determination of Iodine in Seafood by Inductively coupled plasma/Mass Spectrometry
		Isomaltose	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythitol and Lactitol by HPLC
		Kresoxim-methyl	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Lactitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythitol and Lactitol by HPLC
		L-Ascorbyl palmitate, Propyl Gallate	EASI-CHE-SOP-55,DETERMINATION OF ANTIOXIDANTS (BHA, BHT, TBHQ, Propyl gallate and Ascorbyl palmitate) IN FOOD SAMPLES
		Lutein	AOAC 2017.04 cis- and trans- Lutein, cis- and trans- β -Carotene, and cis- and trans-Lycopene in Infant, Pediatric, and Adult Nutritional
		Maltitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythitol and Lactitol by HPLC
			EASI-CHE-SOP-021

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
			EASI-MB-SOP-038 Determination of Milk allergens by ELISA
			IS 1163 Chocolates
		Moisture	IS 1011 Biscuits
			IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
			IS 12711 Bakery products - Methods of analysis
			IS 6747 Chewing Gum and Bubble Gum
			IS 1163 Chocolates
			IS 2791 Soluble Coffee Powder
			IS 1164 Cocoa Powder
			IS: 2791 Soluble Coffee Powder
			AOAC 979.12 Moisture (loss on Drying) in Roasted Coffee
			AOAC 968.11 Moisture (Loss on dring) in Roasted Coffee
			IS 3077 Roasted and Ground Coffee
			IS 4941 Extracted Honey
			AOAC 969.38 Moisture in Honey
			AOAC 935.29 Loss on Drying (Mois ture) in Malt
		Monounsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Mouth Feel	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Neotame	EASI-CHE-SOP-222 Determination of Sweeteners by HPLC

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
		Non Fat Milk Solids	IS 1163 Chocolates
		Omega 3	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
		Omega 6	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
		Omega 9	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			EASI-CHE-SOP-166 DETERMINATION OF THE FATTY ACID PROFILE (SATURATED, UNSATURATED, TRANS FATTY ACIDS,Ω-FATTY ACIDS) BY GAS CHROMATOGRAPH
		Optical Density @660nm	IS 4941 Extracted Honey
		Peanut Allergens	EASI-MB-SOP-036 Determination of Peanut allergens by ELISA
		Petroleum ether extract	IS 3077 Roasted and Ground Coffee
		pH	EASI-CHE-SOP-262 SOP for determination of pH

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Phenothrin	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Polyphenols as Gallic Acid	ISO 14502 P-1, Determination of substances characteristic of green and black tea — Part 1: Content of total polyphenols in tea — Colorimetric method using Folin-Ciocalteu reagent
		Polyunsaturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Ponceau 4R	FSSAI Manual 8, HPLC-DAD
		Potassium benzoate as Benzoic acid	FSSAI Manual 8, Manual of Food Additives
		Proline	AOAC 979.20 Proline in honey
		Propionate As Propionic Acid	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC–UV
		Protein	IS 7219 Method for determination of protein in foods and feeds
			AOAC 920.176 Nitrogen in Sugar & Syrups
		Pyrasulfotole	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Rancidity	IS 1163 Chocolates
		Reducing Sugar	IS 6747 Chewing Gum and Bubble Gum
			IS 1163 Chocolates
			IS 6287 METHODS OF SAMPLING AND ANALYSIS FOR SUGAR CONFECTIONERY
		Saccharin	FSSAI Lab manual 8 Page.65
		Saponins	EASI-CHE-SOP-147

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			Determination of Saponin in food & food products
		Saturated fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
			AOAC 2012.13 Labeled Fatty Acids Content in Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Sieve Analysis	ASTA method 10.0 Sieve Analysis
		Sodium benzoate as Benzoic acid	FSSAI Manual 8, Manual of Food Additives
		Sodium Bi carbonate	FSSAI Manual Method
		Solubility in Boiling Water	IS 2791 Soluble Coffee Powder
		Solubility in Cold Water	IS 2791 Soluble Coffee Powder
		Soluble and Insoluble Dietary Fibre	AOAC 991.43 Total, Soluble, and Insoluble Dietary Fiber in Foods
		Soluble Solids	AOAC 973.21 Solids (Soluble) in Roasted Coffee
		Sorbic Acid (As Calcium, Sodium, Potassium Salt)	FSSAI Lab manual 8 Page. 106 by HPLC-UV
		Sorbitol content	EASI-CHE-SOP-234, Determination of sorbitol and Xylose by HPLC
		Soya Allergens	EASI-MB-SOP-037 Determination of Soya allergens by ELISA
		Specific Gravity	IS 4941 Extracted Honey
		Sucralose	EASI-CHE-SOP-138, DETERMINATION OF SUCRALOSE BY HPLC
		Sucrose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
			IS 6287 METHODS OF SAMPLING AND ANALYSIS FOR SUGAR CONFECTIONERY

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
			IS 12711 Bakery products - Methods of analysis
			IS 6747 Chewing Gum and Bubble Gum
			IS 1163 Chocolates
			IS 4941 Extracted Honey
		Sugar Alcohols(D-Mannitol,Maltitol,Xylitol,Iso maltose,Erythritol,lactitol)	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Sugar Profile	AOAC 980.13 Fructose, Glucose, Lactose, Maltose, and Sucrose in Milk Chocolate
		Sugar Profile-Fructose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Glucose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Lactose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Maltose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sugar Profile-Sucrose	AOAC 982.14 Glucose, Fructose, Sucrose, and Maltose in Presweetened Cereals
		Sulphated Ash	IS 6747 Chewing Gum and Bubble Gum
		Sulphated Ash on salt free basis	IS 6287 METHODS OF SAMPLING AND ANALYSIS FOR SUGAR CONFECTIONERY
		Sulphur Dioxide (SO ₂)	AOAC 990.28 Sulfites in Foods
		Sunset Yellow	FSSAI Manual 8, HPLC-DAD
		Tartrazine	EASI-CHE-SOP-105,Determination of Synthetic food colors in food and food products

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
		Taurine	AOAC 997.05 Taurine in Powdered Milk and Powdered Infant Formulae
		TBHQ	FSSAI manual 8 Page. 106
			AOAC 983.15 Phenolic Antioxidants in Oils, Fats, and Butter Oil
		Tecnazene	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Test for added Natural colours	FSSAI Manual for Food additives
		Texture	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Total Ash	IS 6287 Methods of Sampling and Analysis for Sugar Confectionery
			IS 1164 Cocoa Powder
			IS 3077 ROASTED AND GROUND COFFEE
			IS: 2791 Soluble Coffee powder
			AOAC 920.93 Ash of Roasted Coffee
			IS 4941 Extracted Honey
		Total Dietary Fibre	AOAC 985.29 Total Dietary Fiber in Foods
		Total Fat	IS 1163 Chocolates
		Fat	AOAC 922.06 Fat in flour
		Total Fat	AOAC 920.39 Fat (Crude) or Ether Extract in Animal Feed
		Total Protein	IS 1163 Chocolates
		Total Reducing Sugar As Invert Sugar	IS 4941 Extracted Honey
		Total Solid	IS 12711 Bakery products - Methods of analysis
		Total Solids	IS 4941 Extracted Honey
		Total Sugar	IS 6287 Methods of Sampling and Analysis for Sugar Confectionery

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			AOAC 945.66 Total reducing sugars
		Trans fatty acids	AOAC 996.01 Fat (Total, Saturated, Unsaturated, and Monounsaturated) in Cereal Products
		Tricyclazole	EASI-CHE-SOP-021 Determination of Pesticide residue in Food & Agricultural Products by GC-MS and LC-MS/MS
		Vinyl chloride	EASI-CHE-SOP-190- Determination of acrylonitrile and Vinyl Chloride in food matrices by GC-MSD-HSS
		Visual Inspection	EASI-GEN-SOP-26 Procedure for Sensory Evaluation of Food samples
		Vitamin A	AOAC 2012.10 Simultaneous determination of 13-cis and all trans Vitamin A(Retinyl palmitate) and Vitamin A Acetate (Retinal Acetate) and Total vitamin E (di- α -Tocopherol and di-di- α -Tocopherol Acetate) in Infant food and Adult Nutritional
		Vitamin B9 (as dietary folate Equivalent)	EASI-CHE-SOP-71, Determination of Folic Acid (Vitamin B9) in Food, Feed, Nutraceutical and Premix Samples
		Vitamin C	EASI-CHE-SOP-199 ,Determination of Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula by HPLC-UV.
		Vitamin C	AOAC 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula
		Vitamin D2	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas

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		Vitamin D3	AOAC 2016.05 Analysis of Vitamin D2 and Vitamin D3 in Fortified Milk Powders, Infant Formulas, and Adult/Pediatric Nutritional Formulas
		Vitamin E	AOAC 2012.10 Simultaneous determination of 13-cis and all trans Vitamin A(Retinyl palmitate) and Vitamin A Acetate (Retinal Acetate) and Total vitamin E (di- α -Tocopherol and di-di- α -Tocopherol Acetate) in Infant food and Adult Nutritionals
		Vitamin K1	EASI-CHE-SOP-193,Determination of Vitamin K1(Total & Trans) in Milk and Milk products
		Vitamin K2	AOAC 999.15 AOAC Official Method 999.15Vitamin K in Milk and Infant Formulas Liquid Chromatographic Method
		Vitamin K3	AOAC 999.15 AOAC Official Method 999.15Vitamin K in Milk and Infant Formulas Liquid Chromatographic Method
		Water Activity	EASI-CHE-SOP-215 Procedure for Water Activity
		Water insoluble matters	Methods of the International Honey Commission
		Water soluble ash	IS 3077 Roasted and Ground Coffee
		Water Soluble Ash	AOAC 920.93 Ash of Roasted Coffee
		Water soluble matter	IS 3077 Roasted and Ground Coffee
		Xylitol	EASI-CHE-SOP-237 Determination of Sugar Alcohol(D-Mannitol, Maltitol ,Xylitol, Isomaltose, Meso-Erythritol and Lactitol by HPLC
		Xylose	EASI-CHE-SOP-234, Determination of sorbitol and Xylose by HPLC