

Method Verification

S.No.	Sample Category	Name of Reference Method
1	Method Verification of Trihalomethanes by GC-ECD.	Trihalomethanes & Chlorinated Organic Solvents,American Public Health Association,(APHA6232), American Water Works Association, Water Environment Federation (2018)
2	Method Verification of Methanol in Liquor by GC - FID.	IS 3752 : 2005 (R2009)
3	Method Verification of Aflatoxins in Peanut by HPLC-FLD.	FSSAI 07.012.2020 FSSAI Manual of Analysis of Foods (Mycotoxins) (2020) 57-59
4	Method Verification of Aflatoxins in Spice by HPLC-FLD.	FSSAI 07.012.2020 FSSAI Manual of Analysis of Foods (Mycotoxins) (2020) 57-59
5	Method Verification of Aspartame in Mix juice by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
6	Method Verification of Aspartame in Cold drink by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
7	Method Verification of Sucralose in Juice by HPLC-RI Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
8	Method Verification of Saccharin in Mix juice by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
9	Method Verification of Saccharin in Cold drink by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
10	Method Verification of Acesulfame K in Mix juice by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
11	Method Verification of Acesulfame K in Cold drink by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
12	Method Verification of Hypericin in Beer by HPLC-UV Detector.	Hypericin:Source, Determination, Separation, and Properties Zhang, J. Et.al, Separation and Purification Reviews, (2020)
13	Method Verification of Hypericin in Rice by HPLC-UV Detector.	Hypericin:Source, Determination, Separation, and Properties Zhang, J. Et.al, Separation and Purification Reviews, (2020)
14	Method Verification of Hypericin in Biscuit by HPLC-UV Detector.	Hypericin:Source, Determination, Separation, and Properties Zhang, J. Et.al, Separation and Purification Reviews, (2020)
15	Method Verification of Hypericin in Tea by HPLC-UV Detector.	Hypericin:Source, Determination, Separation, and Properties Zhang, J. Et.al, Separation and Purification Reviews, (2020)
16	Method Verification of Caffeine in Cold drink by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
17	Method Verification of Caffeine in Juice by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80

18	Method Verification of Caffeine in Tomato sauce by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
19	Method Verification of Benzoic acid in Cold drink by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
20	Method Verification of Benzoic acid in Juice by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
21	Method Verification of Benzoic acid in Tomato sauce by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
22	Method Verification of Sorbic acid in Cold drink by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
23	Method Verification of Sorbic acid in Juice by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
24	Method Verification of Sorbic acid in Tomato sauce by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
25	Method Verification of Pesticides in fruits and vegetables by LCMSMS	Method Validation & Quality Control Procedure for Pesticide Residue Analysis in Food & Feed ,SANTE/11945/2015 Kaushik Banerjee et.al, Journal of Chromatography A, 1173 (2007) 98-109
26	Method Verification of Caffeine, Benzoic Acid & Sorbic Acid in Herbal Tea by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
27	Method Verification of Metals in Water by ICP-MS.	IS 3025 : Part 65 : 2014
28	Method Verification of Chemical Parameters in Water	IS 3025 (PART 1) : 1987
29	Method Verification of Protein Analysis	IS 4684 : 1975 (Annexure C) , FSSAI 8.7, FSSAI Manual of Analysis of Foods (Cereal and cereal products),(2019) 19-22
30	Method Verification & Recovery Study for Aspartame in Biscuits by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
31	Method Verification & Recovery Study for Aspartame in Macroni by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
32	Method Verification & Recovery Study for Aspartame in Flavoured Milk by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
33	Method Verification & Recovery Study for Aspartame in Sauce by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
34	Method Verification & Recovery Study for Acesulfame K and Saccharin in Biscuits by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
35	Method Verification & Recovery Study for Acesulfame K and Saccharin in Macroni by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
36	Method Verification & Recovery Study for Acesulfame K and Saccharin in Flavoured Milk by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74

37	Method Verification & Recovery Study for Acesulfame K and Saccharin in Sauce by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
38	Method Verification & Recovery Study for Acesulfame K and Saccharin in Skimmed Milk Powder by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
39	Method Verification & Recovery Study for Sucralose in Biscuits by HPLC-RI Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
40	Method Verification & Recovery Study for Sucralose in Macroni by HPLC-RI Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
41	Method Verification & Recovery Study for Sucralose in Flavoured Milk by HPLC-RI Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
42	Method Verification & Recovery Study for Sucralose in Sauce by HPLC-RI Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
43	Method Verification & Recovery Study for Aspartame in SMP by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
44	Method Verification & Recovery Study for Sucralose in SMP by HPLC-RI Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
45	Method Verification & Recovery Study for Caffeine, Sorbic acid, Benzoic acid in Flavoured milk by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
46	Method Verification & Recovery Study for Caffeine, Sorbic acid, Benzoic acid in Cheese by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
47	Method Verification & Recovery Study for Caffeine, Sorbic acid, Benzoic acid in Chocolate by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
48	Method Verification & Recovery Study for Caffeine, Sorbic acid, Benzoic acid in Candy by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
49	Method Verification of Fatty acid profile in Mustard Oil by GC-FID.	AOAC Method 996.06
50	Method Verification of Fatty acid profile in Olive Oil by GC-FID.	AOAC Method 996.06
51	Method Verification of Fatty acid profile in Coconut Oil by GC-FID.	AOAC Method 996.06
52	Method Verification of Hexane in Mustard oil by GC-FID.	FSSAI 41.0 , FSSAI Manual of Analysis of Foods (Oil & Fats) (2016) 98-104
53	Method Verification & Recovery Study for Caffeine, Sorbic acid, Benzoic acid in Cake by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
54	Method Verification & Recovery Study for Caffeine, Sorbic acid, Benzoic acid in Egg by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
55	Method Verification & Recovery Study for Caffeine, Sorbic acid, Benzoic acid in Almond by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80

56	Method Verification & Recovery Study for Caffeine, Sorbic acid, Benzoic acid in Seed by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
57	Method Verification & Recovery Study for Water soluble Synthetic colour in Rasgulla by HPLC	1. Application of High-Performance liquid chromatography with Diode Array detector for Simultaneous determination of 11 synthetic Dyes in selected Beverages and food samples.Tomasz Rejczak et.al, Food analytical methods, volume 10, (2017) 3572-3588 . 2. Determination of 8 Synthetic dyes by solid phase extraction and reserved-phase high performance liquid Chromatography,Fatemeh Zamani Mazdeh et.al, Tropical journal of pharmaceutical research January 2016:15(1) 173-181.
58	Method Verification & Recovery Study for Water soluble Synthetic colour in Jelly by HPLC	1. Application of High-Performance liquid chromatography with Diode Array detector for Simultaneous determination of 11 synthetic Dyes in selected Beverages and food samples.Tomasz Rejczak et.al, Food analytical methods, volume 10, (2017) 3572-3588 . 2. Determination of 8 Synthetic dyes by solid phase extraction and reserved-phase high performance liquid Chromatography,Fatemeh Zamani Mazdeh et.al, Tropical journal of pharmaceutical research January 2016:15(1) 173-181.
59	Method Verification & Recovery Study for Water soluble Synthetic colour in Gems (soft candy) by HPLC	1. Application of High-Performance liquid chromatography with Diode Array detector for Simultaneous determination of 11 synthetic Dyes in selected Beverages and food samples.Tomasz Rejczak et.al, Food analytical methods, volume 10, (2017) 3572-3588 . 2. Determination of 8 Synthetic dyes by solid phase extraction and reserved-phase high performance liquid Chromatography,Fatemeh Zamani Mazdeh et.al, Tropical journal of pharmaceutical research January 2016:15(1) 173-181.
60	Method Verification & Recovery Study for Water soluble Synthetic colour in Balusai by HPLC	1. Application of High-Performance liquid chromatography with Diode Array detector for Simultaneous determination of 11 synthetic Dyes in selected Beverages and food samples.Tomasz Rejczak et.al, Food analytical methods, volume 10, (2017) 3572-3588 . 2. Determination of 8 Synthetic dyes by solid phase extraction and reserved-phase high performance liquid Chromatography,Fatemeh Zamani Mazdeh et.al, Tropical journal of pharmaceutical research January 2016:15(1) 173-181.

61	Method Verification & Recovery Study for Water soluble Synthetic colour in Sonpapdi by HPLC	<p>1. Application of High-Performance liquid chromatography with Diode Array detector for Simultaneous determination of 11 synthetic Dyes in selected Beverages and food samples. Tomasz Rejczak et.al, Food analytical methods, volume 10, (2017) 3572-3588</p> <p>2. Determination of 8 Synthetic dyes by solid phase extraction and reserved-phase high performance liquid Chromatography, Fatemeh Zamani Mazdeh et.al, Tropical journal of pharmaceutical research January 2016;15(1) 173-181.</p>
62	Method Verification and Recovery Study of Curcumin in Cake by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232
63	Method Verification and Recovery Study of Curcumin in Burfi by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232
64	Method Verification and Recovery Study of Curcumin in Juice by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232
65	Method Verification and Recovery Study of Curcumin in Bread by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232
66	Method Verification and Recovery Study of Curcumin in Soda by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232
67	Method Verification and Recovery Study of Curcumin in Jam by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232
68	Method Verification and Recovery Study of Curcumin in Jelly by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232

69	Method Verification of Alachlor, Anilphos, Bifenthrin, Butachlor, Captain, Carfentrazone -ethyl, Chlorfenapyr, Chlorothalonil, Chlorpyrifos, Cypermethrin, Cinmethylen, Cyfluthrin, Cyhalofop-butyl, Deltamethrin, Diclofop-butyl, Dicofol, Ethion, Fenazaquin, Fenoxaprop-p-ethyl, Fenpropathrin, Fenvalerate I, Fenvalerate II, Pendimethalin, Pyridayl, Haloxy-fop-methyl, Triadimefon, Trifluralin, Monocrotophos, Triallate, Quizalo-fop-ethyl, Propanil, Oxyfluorfen, Thifluzamide, Iprodione , Oxadiargyl, Qunalphos, Lamdha -cyhalothrin, Permethrin I ,Permethrin II in Spice by GCMS-MS	Method Validation & Quality Control Procedure for Pesticide Residue Analysis in Food & Feed ,SANTE/11945/2015 Kaushik Banerjee et.al, Journal of Chromatography A, 1173 (2007) 98-109
70	Method Verification & Recovery Study for Curcumin in Butter by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232
71	Method Verification & Recovery Study for Curcumin in Biscuit by HPLC-Visible Detector.	Curcuminoid content and safety-related markers of quality of turmeric dietary supplements sold in an urban retail marketplace in the United States, Curcuminoids Capsules USP 42, Meghan B Skiba et. al, PMID: PMC6277232
72	Method Verification of Cholesterol in Coconut oil by GC-FID	AOAC 994.10-1994 (2010)
73	Method Verification of Fatty acid profile in ghee by GC-FID	AOAC 996.06-1996(2010)
74	Method Verification of Fosetyl aluminium, ethaphone, 2,4-D, MCPA, 1-NPA in Milk by LCMS-MS (Negative Mode)	Method Validation & Quality Control Procedure for Pesticide Residue Analysis in Food & Feed ,SANTE/11945/2015 Kaushik Banerjee et.al, Journal of Chromatography A, 1173 (2007) 98-109
75	Method Verification for Multiresidue Pesticide (Thiamethoxam, Clothianidin, Thiacloprid, Carbendazim, Quinalphos, Propiconazole, Hexaconazole, Bitertanol, Cyflumetofen, Ethion, Hexythiazox, Emamectin Benzoate, Propargite, Spiromesifen, Etoxazole, Fenpyroximate and Fenazaquin) in Tea and Tea Products by LCMSMS	METHOD VALIDATION & QUALITY CONTROL PROCEDURE FOR PESTICIDE RESIDUE ANALYSIS IN FOOD AND FEED. Document No. SANTE/11945/2015 Kaushik Banerjee et.al, Journal of Chromatography A, 1173 (2007) 98-109.
76	Method Verification for PGR pesticides Negative mode (2,4-D, Fosetyl Al, 1-NPA, Ethephon and MCPA) in Tea by LCMSMS	Analysis of Pesticide Residue in Chicken Using Agilent BondElut QuEChERS and LC/MS/MS, Author Chen-Hao (Andy) Zhai Agilent Technologies (Shanghai) Co. Ltd.
77	Method Verification for PGR pesticides Negative mode (2,4-D, Fosetyl Al, 1-NPA, Ethephon and MCPA) in Sugar by LCMSMS	Analysis of Pesticide Residue in Chicken Using Agilent BondElut QuEChERS and LC/MS/MS, Author Chen-Hao (Andy) Zhai Agilent Technologies (Shanghai) Co. Ltd.
78	Method Verification for PGR pesticides Pos mode (Diuron, Paraquat, Chlormequat, and mepiquar) in Sugar by LCMSMS	Analysis of Pesticide Residue in Chicken Using Agilent BondElut QuEChERS and LC/MS/MS, Author Chen-Hao (Andy) Zhai Agilent Technologies (Shanghai) Co. Ltd.

