Method Validation

S. N.	Sample Category	Name of Reference Method
1	Method Validation of multiPesticides in Rice by GCMSMS (Captan, Trifluralin, Monocrotophos, Phorate, Atrazine, Methyl Paraxon, Chlorothalonil, Triallate, Propanil, Quizafop ethyl, Methyl Parathion, Alachlor, Butachlor, Ametryn, Cinmethylen, Metolachlor, Dicofol, Phorate Sulfone, Phorate Sulfoxide, Triadimefon, Pendimethalin, Chlorpyrifos, Iprodione, Ethion, Carfentrazone ethyl, Hexazinone, Diclofop methyl, Oxadiargyl, Bifenthrin, Fenpropathion, Lambda cyhalothrin, Quinalphos, Fenazaquin, Anilophos, Phosalone, Cyhalofop butyl, Fenoxaprop p ethyl, Permethrin I & II, Cyfluthrin, Cypermethrin, Pyridalyl, Fenvalerate I & II, Fluvalinate I & II, Deltamethrin)	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
2	Method Validation of Aflatoxins in Rice by HPLC-FLD.	FSSAI 07.012.2020 FSSAI Manual of Analysis of Foods (Mycotoxins) (2020) 57-59
3	Method Validation of Aspartame in Khoya Burfi by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
4	Method Validation of Sucralose in Khoya burfi by HPLC-RI Detector	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
5	Method Validation of Saccharin in Khoya Burfi by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
6	Method Validation of Acesulfame K in Khoya Burfi by HPLC-UV Detector.	FSSAI 3.5.3, FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74
7	Method Validation of Hypercin in Juice by HPLC-UV Detector.	Hypericin:Source, Determination, Separation, and Properties Zhang, J. Et.al, Separation and Purification Reviews, (2020)
8	Method Validation of Caffeine in Burfi by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 ,FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
9	Method Validation of Benzoic acid in Burfi by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
10	Method Validation of Sorbic acid in Burfi by HPLC-UV Detector.	FSSAI 3.5.3&3.5.5 , FSSAI Manual of Analysis of Foods (Food Additives) (2016) 68-74,76-80
11	Method Validation of Dithiocarbamates in cereals by LCMS-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
12	Method Validation of Pesticides in fruits and vegetables 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

13	Method Validation of Pesticides in water by Positive mode LCMS-MS.	1) APHA 6440, 6431 2) AOAC 990.06, 3) USEPA 508, 8141A,1657A,525.2,507
14	Method Validation of Pesticides in water by Negative mode LCMS-MS.	1) APHA 6440, 6431 2) AOAC 990.06, 3) USEPA 508, 8141A,1657A,525.2,507
15	Method Validation of Aflatoxin M1 in milk by LCMS-MS.	1) J. of AOAC International., 2) United States Pharmacopoeia 2005., 3) China National Food Quality and Safety Supervision and Inspection Center
16	Method Validation of Agaric acid in cereals by LCMS-MS.	Determination of Agaric Acid in Flavours (HPLC method) ,P. Schaller et. Al, Issue 4-11/98
17	Method Validation of Pesticides in cereals by LCMS-MS.	SANTE/11945/2015 Kaushik Banerjee et.al, Journal of Chromatography A, 1173 (2007) 98-109.
18	Method Validation of Melamine in milk by LCMS-MS.	Sherri Turnipseed, Christine Casay at.el, Determination of melamine and cyanuric acid residues in Infant formula using LC/MS/MS,Sherri Turnipseed et.al,U.S. Food and Drug Administration,24(2008)
19	Method Validation of Antibiotics in milk by LCMS-MS.	The Vet Drugs Explorer Collection: screening and quantitation of multi-class veterinary drug residues in animal matrices with a comprehensive workflow solution.Thermo scientific,Application Brief 65118
20	Method Validation of Copper in Whiskey by ICP-MS.	1) Determination of Heavy Metals in Food by Inductively Coupled Plasma–Mass Spectrometry: First Action 2015.01,Michelle Briscoe et.al,Briscoe: Journal of AOAC International Vol. 98, No. 4, 2015,1113-1120. 2) FSSAI 10.0, FSSAI Manual of Analysis of Foods (Alcoholic Beverages) 2019,37-45
21	Method Validation of Metals in Fruit & Fruit Products by ICP-MS.	Determination of Heavy Metals in Food by Inductively Coupled Plasma–Mass Spectrometry: First Action 2015.01,Michelle Briscoe et.al,Briscoe: Journal of AOAC International Vol. 98, No. 4, 2015,1113-1120

22	Method Validation of Copper in Fruits and Vegetables by ICP-MS.	Determination of Heavy Metals in Food by Inductively Coupled Plasma–Mass Spectrometry: First Action 2015.01,Michelle Briscoe et.al,Briscoe: Journal of AOAC International Vol. 98, No. 4, 2015,1113-1120
23	Method Validation of Oryzanol in Mustard Oil, Olive Oil, Coconut Oil by HPLC-UV Detector.	A rapid procedure for analysing rice bran tocopherol, tocotrienol and γ-oryzanol contents,M.H.Chen et. Al, Journal of Food Composition and Analysis Volume 18, Issues 2–3(2005)139-151
24	Method Validation of BHA, BHT, TBHQ in Vegetable oil and ghee by HPLC-UV Detector.	Reversed Phase HPLC-UV Quantitation of BHA, BHT and TBHQ in Food Items Sold in Bindura, Supermarkets, Zimbabwe, D. Shasha et al.International Research Journal of Pure and Applied Chemistry, ISSN: 2231-3443,Vol.: 4, Issue.: 5 (September-October), 2014,578-584
25	Method Validation of Plant growth regulators Pesticide in negative mode in fruits and vegetable by LCMS-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
26	Method Validation of Pesticides in Milk and milk products by LCMS-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
27	Method Validation of Pesticides 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
28	Method Validation of Water soluble Synthetic colour in Hard Candy by HPLC-UV Detector.	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.

29	Method Validation of Pesticide in Spice by LCMS-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
30	Method Validation of Pesticides (plant groth regulators) in spice by LCMS-MS (Chlormequat Chloride, Fosteyl-Al, Mepiquat, Diuron, Ethephon, 1-NPA)	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
31	Method Validation of Pesticides in milk by LCMS-MS (3-Hydroxy Carbofuran, Acephate, Acetamiprid, Azoxystrobin, Bitertanol, Buprofezin, Carbaryl, Carbofuran, Carbendazim, Chlorantraniliprole, Clothianidin, Dichlorvas, Difenoconazole, Dimethoate, Dinotefuran, Edifenphos, Emamectin Benzoate, Ethion, Ethofenprox, Flusilazole, Imidacloprid, Indoxacarb, Kresoxim methyl, Methomyl, Metolachlor, Monocrotophos, Oxydemeton-methyl, Penconazole, Phenthoate, Phoratesulfone, Phoratesulfoxide, Phorate, Primiphos methyl, Propiconazole, Pyraclostrobin, Tebuconazole, Thiacloprid, Thiamethoxam, Thiophanate-methyl, Triadimefon, Trichlorfon).	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
32	Method Validation of Curcumin in Flavoured milk by HPLC	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,PMCID: PMC6277232
33	Method Validation of Multiresidue pesticide in Cereals (Rice) by LCMS-MS (Acephate, Dinotefuran,Oxydemeton methyl,Methomyl,Thiamethoxam,Monocrotophos,Imidacloprid, 3-Hydroxy carbofuran,Acetamiprid,Trichlorfon,Metsulfuron methyl,Thiacloprid,Carbendazim, Triasulfuron,Thiophanate methyl,Dichlorvas,Halosulfuron methyl,Diclosulam,Carbaryl,Phorate sulfoxide,Phorate sulfone,Orthosulfamuron,Pyrazosulfuron ethyl,Carbofuran,Ethoxysulfuron, Bispyribac sodium,Chlorimuron ethyl,Bensulfuron methyl,Chlorantraniliprole,Azoxystrobin, Triadimefon,Flufenacet,Flusilazole,Picoxystrobin,Phenthoate,Clodinafop propargyl,Kresoxim methyl,Edifenphos,Tebuconazole,Carpropamide,Propiconazole,Pyraclostrobin,Bitertanol, Phorate,Pinoxaden,Primiphos	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

	methyl,Difenconazole,Indoxacarb,Haloxyfop-R-Methyl, Trifloxystrobin,Profenofos,Propaquizafop,Buprofezin,Ethion,Ethofenprox,Pymetrozine, Flonicamid,Clothianidin,Sulfoxaflor,Sulfosulfuron,Tricyclazole,Iodosulfuron methyl, Penoxsulam,Mesosulfuron methyl,Thiocyclam,Malaoxon,Methabenzthiazuron, Metribuzin,Thiometon,Atrazine,Isoproturon,Metalaxyl, Clomazone,Fenobucarb,Propanil,Fluxapyroxad,Malathion,Isoprothiolane,Triazophos,Chromafenozide,Epoxiconazole,Alachlor,Quinalphos,Iprobenfos,Hexaconazole,Pencycuron,Pretilachlor,Quizalofop-P-Terfuryl,Oxadiazon, Butachlor,Cinmethalin,Pendimethalin,Triallate,Tridemorph,Spinetoram)	
34	Method Validation of Multiresidue Pesticide (Imazamox, Methomyl, Thiamethoxam, Imazethapr, Imidacloprid, Carbendazim, Dichlorvos, Chlorantraniliprole, Myclobutanil, Epoxyconazole, Propiconazole, Pyraclostrobin, Hexaconazole, Bitertanol, Fluazifop-p-butyl, Emamectin Benzoate, Fomesafen) in Nuts and Nuts Products 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
35	Method Validation of Multiresidue Pesticide (Chlorothalonil, Alachlor, Quinalphos, Oxyfluorfen, Lambda Cyhalothrin, Fenoxaprop-p-ethyl, Quizalofop ethyl, Deltamethrin) in Nuts and Nuts Products 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
36	Method Validation of Multiresidue Pesticide (Ametryn, Bifenthrin, Hexazinone, Phorate, Phorate sulfone, Phorate sulfoxide,) in Sugar and Sugar Products 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
37	Method Validation of Cholesterol in Mustard oil by GC-FID	AOAC 994.10-1994(2010)
38	Method Vlaidation of Vitamin E in Mustard oil by HPLC	AOAC 2001.13-2011

39	Method Validation of Multiresidue Pesticide (Oxydemeton methyl, Methomyl, Thiamethoxam, Monocrotophos, Imidacloprid, 3-Hydroxy carbofuran, Acetamiprid, Dimethoate, Trichlorfon, Thiacloprid, Carbendazim, Tricyclazole, Thiophanate methyl, Dichlorvas, Malaoxon, Carbofuran, Carbaryl, Cyantraniliprole, Thiodicarb, Metalaxyl, Chlorantraniliprole, Azoxystrobin, Fluxapyroxad, Malathion, Myclobutanil, Triadimefon, Triazophos, Spirotetramat, Picoxystrobin, Flusilazole, Kresoxim methyl, Quinalphos, Tebuconazole, Pyraclostrobin, Hexaconazole, Bitertanol, Difenconazole, Indoxacarb, Trifloxystrobin, Propaquizafop, Buprofezin, Ethion, Pyriproxifen, Hexythiazox, Pendimethalin, Propargite, Diafenthiuron, Fenpyroximate, Fenazaquin, Triademorph, Flupyradifurone, Metribuzin, Forchlorfenuron, Fenamidone, Dimethomorph, Paclobutrazole, Chlorfluazuron, Chlorpropham, Flupyram, Penconazole, Famoxadone, Dodine, Phosalone, Metrafenone, Ametoctradin, Cymoxanil, Phorate Sulfoxide, Thiometon, Phorate Sulfone, Linuron, Mandipropamide, Boscalid, Fluopicolide, Fenarimol, Tetraconazole, Cyazofamid, Phorate, Metaflumizon, Tolfenpyrad, Emamectin Benzoate, Etoxazole) in Fruits & Vegetable by LCMS-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
40	Method Validation of Hexane in Mustard Oil by GC-FID	FSSAI 41.0 , FSSAI Manual of Analysis of Foods (Oil & Fats) (2016) 98-104
41	Method Validation of Multiresidue Pesticide (Oxydemeton methyl, Trichlorfon, Dichlorvos, Phenthoate, Quinalphos, Phosalone) in oil & fat 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
42	Method Validation of Sadium nitro phenolate, parahexadine calcium, Dithianone, Fipronil in Fruits & vegetable by LCMSMS (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
43	Method Validation of Fosetyl aluminium, ethaphone, 2,4-D, MCPA, 1-NPA in fruits & Vegetable by LCMSMS (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
44	Method Validation of Hexane in Soya Flour by GC-FID	FSSAI 19.0, FSSAI Manual of Analysis of Foods (Cereal and cereal products),(2019) 55-58

45	Method Validation of Monensin in Milk by LCMS-MS.	The VetDrugs Explorer Collection: screening and quantitation of multi-class veterinary drug residues in animal matrices with a comprehensive workflow solution, Thermofisher Scientific, AB65118-EN 0818M
46	Method Validation of 2,4-DDT and 4,4-DDT in cereals 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
47	Method Validation of Iron and Zinc in Atta by ICP-MS	Determination of Heavy Metals in Food by Inductively Coupled Plasma–Mass Spectrometry: First Action 2015.01,Michelle Briscoe et.al,Briscoe: Journal of AOAC International Vol. 98, No. 4, 2015,1113-1120
48	Method Validation of Copper, Arsenic, Cadmium, Tin, Mercury and Lead in Milk by ICP-MS.	AOAC: 2015.01 (Association of Official Analytical Chemists)
49	Method Validation of Calcium in Khandshari by ICP-MS	Determination of Heavy Metals in Food by Inductively Coupled Plasma–Mass Spectrometry: First Action 2015.01,Michelle Briscoe et.al,Briscoe: Journal of AOAC International Vol. 98, No. 4, 2015,1113-1120
50	Method Validation of Vanillin in Vanilla Beans by HPTLC	FSSAI 7.2,FSSAI Manual of Analysis of Foods (Food Additives) (2016)123-125
51	Method Validation of Chloramphenicol in Honey by LCMS-MS.	Rapid Determination of Chloramphenicol Residues in Honey by Liquid Chromatography Tandem Mass Spectrometry and the Validation of Method Based on 2002/657/EC,Lech Rodziewicz et.al,Department of Hygiene Veterinary, Poland,APIACTA 42 (2007),25-30
52	Method Validation of Monosodium Glutamate (MSG) in noodles by HPTLC.	Identification and Quantification of Monosodium glutamate in seven food products (noodles, pasta and raw powders), Anchrom Enterprises (I) Pvt.Ltd.
53	Method Validation of Multi Pesticide (Phorate,PhorateSulfone, Phorate Sulfoxide,Chloranthalonil,Chlorpyriphos,Triadimefon,Ethion,Fenpropathrin,cypermethrin, fenvelerateI,Fenvelerate II, Deltamethrin) in meat and Meat Products by GCMS-MS.	Analysis of Pesticide Residue in Chicken Using Agilent BondElut QuEChERS and LC/MS/MS, Author Chen-Hao (Andy) Zhai Agilent Technologies (Shanghai) Co. Ltd.

54	Method Validation of Histamine in fish by LCMS-MS.	Quick, Easy and Reliable Detection of Histamine in Food Using the Agilent 6490 Triple Quadrupole LC/MS with Jet Stream Technology, Author Nick Byrd, Campden BRI, Chipping Campden Gloucestershire, United Kingdom
55	Method Validation for Adulteration of Vegetable oil in Ghee by HPLC and study of adulteration of Vegetable oil in Ghee by HPLC.	The scientific Panel on methods of Sampling and Analysis, Scientific Committee and Food Authority, Method for Determination of adulteration of Vegetable Oil in Ghee by Reversed phase-High Peformance Liquid Chromatography (RP-HPLC)
56	Method Validation for Uranium in water by ICP-MS	IS 3025 (Part 65) : 2014
57	Method Validation for Nitrofurans Metabolites in honey by LCMSMS	Multi-residue monitoring for the simultaneous determination of five Nitrofurans (Furazolidone, Furaltadone, Nitrofurazone, Nitrofurantoine, Nifursol) in poultry muscle tissue through the detection of their five major metabolites (AOZ, AMOZ, SEM, AHD, DNSAH) by liquid chromatography coupled to electro spray tendem mass spectrometry-In-house validation in line with commission decision 657/2002/EC, Analytica Chimica Acta 586 (2007) 336-347. Application note, waters, LC/MS/MS determination of Nitrofurans metabolite residues in honey.
58	Method Validation for Cinnamaldehyde in Cinnamon Bark oil by GC-FID	Simultaneous Estimation of Cinnamaldehyde and Eugenol in Essential Oils and Traditional and Ultrasound-Assisted Extracts of different species of Cinnamon using a sustainable/Green HPTLC Technique, Author Ahmed I. Foudah, Faiyaz Shakeel, Mohmmed H. Alqarni, Samir A. Ross, Mohmmad A. Salkini and Prawez Alam, Published Date: 03 April, 2021.
59	Method Validation for PGR pesticides Negative mode (2,4-D, Fosetyl Al, 1-NPA, Ethephon and MCPA) in Meat 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.
60	Method Validation for PGR pesticides Pos mode (Diuron, Paraquat, Chlormequat,and mepiquar) 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.
61	Method Validation for Mix Pesticides (phorate, Chlorothalonil, Methyl parathion, Alachlor, Metolachlor, Phorate sulfone, Pendimethalin, Quinalphos, Oxyflourfen, Ethion, Oxadiargyl, Bifenthrin, Fenpropathrin, Lambda cyhalothrin, Fenoxaprop-p-ethyl, Permethrin, Cyfluthrin, Cypermethrin, Pyridalyl, Fluvalinate, Fenvelerate, and Deltamethrin) in cotton Seed Oil by GCMSMS	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.