



Recognition Schedule

Laboratory Recognition Programme

Laboratory Name: ALS Technichem (S) Pte Ltd
 Address: 121 Genting Lane #04-01, ALS Building
 Singapore 349572

Certificate No.: LRP-2020-005/ALS
 Date of Issue: 01 October 2025
 Issue No.: 16

S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
1	Milk and Dairy Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
2			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
3			Enterobacteriaceae Count	ISO 21528-2: 2017
4			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
5			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
6			pH @ 25°C	ATS QWIFD FC45 Issue B / pH Meter
7			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
8			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
9		Pathogens, Parasites & Toxins	Bacillus cereus Count	FDA-BAM Online Chapter 14: Oct 2020 ISO7932: 2004 / AMD1: 2020 (Corrected Version 2 2020-08)
10			Clostridium perfringens	FDA-BAM Online, Chapter 16: Jan 2001
11			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021

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12			E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
13			Lactobacillus spp and Lactic Acid Bacteria	ISO 15214: 1998
14			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 150 Issue B Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017
15			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
16			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
17			Staphylococcal Enterotoxin, A-E	RIDASCREEN Set Total & RIDASCREEN Set A, B, C, D, E
18			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
19			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
20		Drug Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
21			Nitrofurantoin and metabolites	ATS QWIFD FC84 Issue C / LCMSMS
22			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)
23			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
24			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
25		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC

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26			Melamine	ATS QWIFD FC80 Issue C / Dilution / LCMSMS ATS QWIFD FC82 Issue C / SPE / LCMSMS
27			Methyl Paraben	ATS QWIFD FC71 Issue B / HPLC
28			Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
29			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
30			Propyl Paraben	ATS QWIFD FC71 Issue B / HPLC
31			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
32		Food Specifications	Ash	AOAC 930.30 Section 33.5.05 AOAC 945.48 Section 33.4.01E
33			Carbohydrate	ATS QWIFD FC23 Issue B / by calculation
34			Crude fat (ether extract)	AOAC 905.02 Section 33.2.25 / Alkaline Hydrolysis (Rose-Gottlieb Method) AOAC 932.06 Section 33.5.08 / Alkaline Hydrolysis (Rose-Gottlieb Method)
35			Crude protein	ATS QWIFD FC21 Issue B / Kjeldahl Method ATS QWIFD FC118 Issue C / Nitrogen Analyser
36			Fat %	AOAC 905.02 Section 33.2.25 / Alkaline Hydrolysis (Rose-Gottlieb Method) AOAC 932.06 Section 33.5.08 / Alkaline Hydrolysis (Rose-Gottlieb Method)
37			Lard (eicosadienoic acid (C20:2 w6))	AOCS Ce 1h-05 / GC
38			Milk Fat	AOAC 905.02 Section 33.2.25 / Alkaline Hydrolysis (Rose-Gottlieb Method) AOAC 932.06 Section 33.5.08 / Alkaline Hydrolysis

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				(Rose-Gottlieb Method)
39			Milk Solids Non Fat	ATS QWIFD FC172 Issue A
40			Moisture	ATS QWIFD FC20 Issue B
41			Sucrose	ATS QWIFD FC91 Issue C / HPAEC-PAD
42			Total Milk Solids	ATS QWIFD FC172 Issue A
43			Total Solids	ATS QWIFD FC172 Issue A
44			Water activity @ 25 °C	ATS QWIFD FC96 Issue C / Water Activity Meter
45		Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
46			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
47			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
48			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
49			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
50			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
51			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
52			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
53			Tin	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
54		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
55			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC ATS QWIFD FC198 Issue A / LCMSMS
56			Moniliformin	ATS QWIFD FC 207 Issue A/ LC-MS / MS
57		Pesticide Residues	2-Chloroethanol (expressed as Ethylene Oxide)	ATS QWIENV ORG44 Issue A / GCMSMS

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58			Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
59			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
60			Organochlorine pesticides	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
61	Fats and Oil	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
62			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
63			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
64			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
65		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
66			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
67			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
68		Food Specifications	Cholesterol	ATS QWIFD OF26 Issue B / HPLC
69			Free Fatty Acid	AOCS Ca 5a-40 / ISO 660 (2009)
70			Holde's Test	ATS QWIFD OF32 Issue A
71			Iodine Value	AOCS Cd 1d-92 ISO 3961 (2018)

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72			Melting Point	AOCS Cc 3-25
73			Peroxide Value	AOCS Cd 8b-90 ISO 3960 (2017)
74			Saponification Value	AOCS Cd 3-25 ISO 3657 (2013)
75		Inorganic Contaminants	Copper	ATS QWIFD OF08 Issue B / Acid Digestion/ ICP-OES ATS QWIFD OF35 Issue C / Microwave Digestion / ICP-MS
76			Lead	ATS QWIFD OF08 Issue B / Acid Digestion / ICP-OES ATS QWIFD OF35 Issue C / Microwave Digestion / ICP-MS
77		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
78			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
79	Nuts and Related Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
80			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
81			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
82			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
83		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021

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84			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
85			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
86			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
87		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
88			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC
89			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
90			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
91			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
92			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
93		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
94			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
95	Fruits and Vegetables	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
96			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
97			Enterobacteriaceae Count	ISO 21528-2: 2017
98			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
99			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022

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100		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
101			E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
102			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 150 Issue B Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017
103			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
104			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
105			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
106			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
107			Vibrio fluvialis	FDA-BAM Online Chapter 9 May 2004
108			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
109			Vibrio vulnificus	FDA BAM Chapter 9: May 2004
110			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
111		Food Additives	10 Sweeteners (Acesulfame-K, Saccharin, Cyclamate as Cyclamic Acid, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame)	ATS QWIFD FC200 Issue A / LCMSMS
112			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC

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113			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
114			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
115		Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
116			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
117			Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
118			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
119			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
120			Inorganic Arsenic	ATS QWIFD FC208 Issue A / LC-ICP-MS
121			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
122			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
123			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
124			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
125		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG30 Issue B / GCMS/ECD ATS QWIENV ORG45 Issue A / GC-FPD

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126			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
127			Pesticide Residues	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / Quechers Extraction / GCMSMS
128	Cocoa Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
129			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
130			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
131			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
132		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
133			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
134			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
135			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
136			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
137		Food Specifications	Fat %	ATS QWIFD FC22 Issue B
138			Moisture	ATS QWIFD FC20 Issue B

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139		Inorganic Contaminants	pH	ATS QWIFD FC45 Issue B / pH Meter
140			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
141			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
142			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
143			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
144		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
145			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
146			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
147			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
148			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
149		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
150			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
151	Meat and Meat Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
152			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
153			Enterobacteriaceae Count	ISO 21528-2: 2017
154			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
155			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
156		Pathogens, Parasites & Toxins	Campylobacter spp.	FDA-BAM Online, Chapter 7: Mar 2001
157			Clostridium perfringens	FDA-BAM Online, Chapter 16: Jan 2001

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158			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
159			E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
160			Lactobacillus spp and Lactic Acid Bacteria (for fermented meat products)	ISO 15214: 1998
161			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 150 Issue B Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017
162			Salmonella serotyping (Salmonella Enteriditis, Salmonella Paratyphi A, Salmonella Paratyphi B and Salmonella Typhi)	ATS QWIMIC 149 Issue C
163			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
164			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
165			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
166			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
167		Drug Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
168			Beta-agonists	ATS QWIFD FC179 Issue A / LCMSMS (Screening) ATS QWIFD FC180 Issue A (Quantitation)

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169			Nitrofurantoin and metabolites	ATS QWIFD FC84 Issue C / LCMSMS
170			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)
171			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
172			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
173		Food Additives	Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
174			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
175		Inorganic Contaminants	Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
176			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
177		Pesticide Residues	Organochlorine pesticides	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
178	Fish and Seafood Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
179			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
180			Enterobacteriaceae Count	ISO 21528-2: 2017
181			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
182			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
183			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
184		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
185			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017

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				ATS QWIMIC 150 Issue B Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017
186			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
187			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
188			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
189			Streptococcus agalactiae (Group B Streptococcus, GBS) cultural testing	Food Borne Pathogen & Disease Volume 00 Number 00, 2009
190			Sulphite Reducing Clostridia	ISO 15213-1: 2003
191			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
192			Vibrio fluvialis	FDA-BAM Online Chapter 9 May 2004
193			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
194			Vibrio vulnificus	FDA BAM Chapter 9: May 2004
195			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
196		Drug Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
197			Chloramphenicol	ATS QWI FD FC89 Issue C / LCMSMS
198			Crystal Violet and Leuco Crystal Violet	ATS QWIFD FC92 Issue D / LCMSMS
199			Malachite green and Leuco-malachite green	ATS QWIFD FC92 Issue D / LCMSMS
200			Nitrofurantoin and metabolites	ATS QWIFD FC84 Issue C / LCMSMS
201			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)

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202			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
203			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
204		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
205			Formaldehyde	ATS QWIFD FC159 Issue B / Distillation / UV
206			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
207			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
208		Food Specifications	Phosphate (as P2O5)	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
209			Total Volatile Nitrogen	ATS QWIFD FC38 Issue B / Distillation / Titration
210		Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
211			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
212			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
213			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
214			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
215			Inorganic Arsenic	ATS QWIFD FC208 Issue A / LC-ICP-MS
216			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
217			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
218			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
219			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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220		Organic Contaminants	Histamine	ATS QWIFD FC149 Issue B / LCMSMS
221		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
222			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
223			Organochlorine pesticides	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
224	Egg and Egg Based Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
225			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
226			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
227			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
228		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
229			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 150 Issue B Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017
230			Salmonella Enteritidis	ATS QWIMIC 149 Issue C
231			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020

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				Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
232			Serotyping Salmonella Enteritidis	ATS QWIMIC 149 Issue C
233			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
234			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
235			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
236		Drug Residues	Nitrofurantoin and metabolites	ATS QWIFD FC84 Issue C / LCMSMS
237			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
238		Food Additives	Sudan Dyes (Sudan I, II, III, IV, Black B, Para Red)	ATS QWIFD FC55 Issue D / HPLC (Excluded Black B)
239		Inorganic Contaminants	Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
240			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
241			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
242			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
243			Lead (Preserved Eggs)	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
244			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
245			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
246	Sweeteners		Coliform Count	FDA-BAM Online Chapter 4: Oct 2020

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247		Microbiological Indicators	E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
248			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
249			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
250			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
251			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
252		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
253			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
254			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
255		Food Additives	Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
256		Food Specifications	Sucrose	ATS QWIFD FC91 Issue C / HPAEC-PAD
257		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
258			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
259			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
260			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
261			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
262			Coliform Count	FDA-BAM Online Chapter 4: Oct 2020

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263	Flour, Improvers and Related Products	Microbiological Indicators	E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
264			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
265			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
266		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
267			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
268		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
269			Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
270			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
271		Food Specifications	Moisture	ATS QWIFD FC20 Issue B
272			pH	ATS QWIFD FC45 Issue B / pH Meter
273		Inorganic Contaminants	Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
274			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
275			Bromate	ATS QWIFD FC 206 Issue A / LCMSMS
276			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
277			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
278			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
279			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
280			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
281		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
282			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
283			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
284			Moniliformin	ATS QWIFD FC 207 Issue A / LC-MS / MS
285			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
286			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
287		Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenon X, T-2 toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	ATS QWIFD FC 205 Issue A / LC-MS / MS
288		Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC 204 Issue A / LC-MS / MS
289	Grain Based Products	Bioengineering	GMO Testing for Soy Products (Soya endogenous, CaMV 35S promoter, NOS terminator)	ATS QWI MIC 166 Issue A / InviScreen
290		Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
291			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
292			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
293			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
294			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
295		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
296			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
297			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
298			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
299			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
300		Food Additives	Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
301		Inorganic Contaminants	Inorganic Arsenic	ATS QWIFD FC208 Issue A / LC-ICP-MS
302		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
303			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC
304			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
305			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
306			Moniliformin	ATS QWIFD FC 207 Issue A / LC-MS / MS
307			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
308			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
309		Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenon X, T-2 toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	ATS QWIFD FC 205 Issue A / LC-MS / MS
310		Pesticide Residues	2-Chloroethanol (expressed as Ethylene Oxide)	ATS QWIENV ORG44 Issue A / GCMSMS
311			Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
312			Inorganic Bromide Residue	CRL for single residue methods ATS QWIENV ORG31 Issue C

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313	Confectionery and Bakery Products	Phytotoxins	Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
314			Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC 204 Issue A / LC-MS / MS
315		Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
316			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
317			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
318			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
319			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
320			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
321		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
322			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
323			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
324			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
325			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
326		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
327			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
328			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
329		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
330			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC
331			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
332			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
333			Moniliformin	ATS QWIFD FC 207 Issue A / LC-MS / MS
334			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
335			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
336		Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenol X, T-2 toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	ATS QWIFD FC 205 Issue A / LC-MS / MS
337		Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC 204 Issue A / LC-MS / MS
338	Sauces, Seasonings, Soup, Spices and Related Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
339			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
340			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
341			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
342			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
343			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022

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344		Pathogens, Parasites & Toxins	Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
345			Bacillus cereus Count	FDA-BAM Online Chapter 14: Oct 2020 ISO7932: 2004 / AMD1: 2020 (Corrected Version 2 2020-08)
346			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
347			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 150 Issue B Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017
348			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
349			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
350			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
351			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
352			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
353		Food Additives	10 Sweeteners (Acesulfame-K, Saccharin, Cyclamate as Cyclamic Acid, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame)	ATS QWIFD FC200 Issue A / LCMSMS

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354			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
355			Methyl Paraben	ATS QWIFD FC71 Issue B / HPLC
356			Propyl Paraben	ATS QWIFD FC71 Issue B / HPLC
357			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
358			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
359		Food Specifications	Moisture	ATS QWIFD FC20 Issue B
360			Nitrogen Content / Total Nitrogen by Kjeldahl	ATS QWIFD FC21 Issue B / Kjeldahl Method
361		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
362			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
363			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
364			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
365		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
366			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
367			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
368			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
369		Organic Contaminants	3-MCPD (3-MONOCHLOROPROPANE-1,2-DIOL)	ATS QWIFD FC27 Issue D / GCMS
370		Pesticide Residues	2-Chloroethanol (expressed as Ethylene Oxide)	ATS QWIENV ORG44 Issue A / GCMSMS
371			Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
372			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS

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				ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
373	Food Supplements	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
374			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
375			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
376			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
377			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
378		Pathogens, Parasites & Toxins	Bacillus cereus Count	FDA-BAM Online Chapter 14: Oct 2020 ISO7932: 2004 / AMD1: 2020 (Corrected Version 2 2020-08)
379			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
380			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
381			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
382			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
383			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
384		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
385			Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer

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386			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
387			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
388			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
389		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
390			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
391			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
392		Microbiological Indicators	Coliform Count	APHA 9221B/9222B
393			E. coli Count	APHA 9222H
394			Faecal Coliform Count	APHA 9222D APHA 9221E
395			Sulphite Reducing Clostridia	ISO 6461-2 – 1986 (E) / Re-affirm 2013 Membrane Filtration
396			Total Colony Count / Aerobic Plate Count @ 30/35°C	APHA 9215B APHA 9215B (35°C for 24hrs) APHA 9215D
397	Bottled Water	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	APHA 9213B
398			Enterococci Count	APHA 9230C
399			Pseudomonas aeruginosa Count	APHA 9213E
400			Salmonella spp.	APHA 9274B
401		Inorganic Contaminants	Anions (Chloride, Nitrate, Nitrite, Fluoride, Sulphate)	APHA 4110B
402			Bromate	APHA 4110D
403			Cyanide	APHA 4500CN N

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404		Organic Contaminants	Metals (Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Lead, Manganese, Mercury, Nickel, Selenium)	APHA 3125B / ICP-MS (Metals) ATS QWIENV INORG10 Issue B (Mercury)
405			Trihalomethanes - Chloroform, bromodichloromethane, dibromochloromethane, bromoform	USEPA 8260D
406	Tea	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
407			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
408			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
409			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
410			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
411			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
412		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
413			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
414			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
415		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
416			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
417			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
418		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
419			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
420			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
421			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
422			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
423		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
424			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
425	Beverages	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
426			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
427			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
428			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
429			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
430			Sulphite Reducing Clostridia	ISO 15213-1: 2003
431			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
432			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
433		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021

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434			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 150 Issue B Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017
435			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
436			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
437			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
438			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
439		Drug Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
440			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)
441			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
442			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
443		Food Additives	10 Sweeteners (Acesulfame-K, Saccharin, Cyclamate as Cyclamic Acid, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame)	ATS QWIFD FC200 Issue A / LCMSMS
444			Benzoic Acid	ATS QWIFD FC02 Issue D / Direct / HPLC
445			Sorbic Acid	ATS QWIFD FC02 Issue D / Direct / HPLC

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
446		Inorganic Contaminants	Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
447			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
448			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
449			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
450		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
451			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
452		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
453			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
454	General Food Products	Pathogens, Parasites & Toxins	Yersinia enterocolitica	ATS QWIMIC 78 Issue C
455		Food Additives	10 Sweeteners (Acesulfame-K, Saccharin, Cyclamate as Cyclamic Acid, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame)	ATS QWIFD FC200 Issue A / LCMSMS
456			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
457			Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
458			Methyl Paraben	ATS QWIFD FC71 Issue B / HPLC
459			Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
460			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
461			Propyl Paraben	ATS QWIFD FC71 Issue B / HPLC
462			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
463			Sudan Dyes (Sudan I, II, III, IV, Black B, Para Red)	ATS QWIFD FC55 Issue D / HPLC (Excluded Black B)
464			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
465		Food Specifications	Crude Fat	ATS QWIFD FC22 Issue B
466		Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
467			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
468			Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
469			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
470			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
471			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
472			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
473			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
474		Mycotoxins	Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
475			Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
476			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
477			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
478			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
479			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
480		Organic Contaminants	Acrylamide	ATS QWIFD FC93 Issue B / LCMSMS
481		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
482			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
483		Radioactivity	Cs-134	ATS QWIFD FC196 Issue C / Gamma Ray Spectrometry
484			Cs-137	ATS QWIFD FC196 Issue C / Gamma Ray Spectrometry
485			I-131	ATS QWIFD FC196 Issue C / Gamma Ray Spectrometry
486	Canned Food Products	Microbiological Indicators	Commercial Sterility Test (a) Incubation tests (35 °C for 10 days/ 55 °C for 5 days) (b) pH test (c) Detection of Aerobes and Anaerobes	(a) Compendium of Methods for Microbiological Examinations of Foods, 5th Edition, Chapter 61 (b) ATS QWIFD FC45 Issue B / pH Meter (c) FDA-BAM Online Chapter 3: Jan 2001

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
				ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
487	Swabs from Poultry and Farm Environment	Pathogens, Parasites & Toxins	Salmonella Enteritidis	ATS QWIMIC 149 Issue C
488			Salmonella spp.	ATS QWIMIC 149 Issue C
489	Animal Feed	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
490			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
491			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
492			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
493			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
494		Organic Contaminants	Melamine	ATS QWIFD FC80 Issue C / Dilution / LCMSMS ATS QWIFD FC82 Issue C / SPE / LCMSMS
495	RTE	Microbiological Indicators	E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
496			Enterobacteriaceae Count	ISO 21528-2: 2017
497			Total Colony Count / Aerobic Plate Count @ 30/35°C	FDA-BAM Online Chapter 3: Jan 2001 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
498		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
499			Escherichia coli O157:H7 (with serotype confirmation)	AOAC Method No. 2000.14 / Microbial Screening Test
500			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 150 Issue B Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
501			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
502			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1: 2020 Screening using SOLUS ISO 16140-2: 2016 and confirmation using ISO 6579-1: 2017
503			Shigella spp.	ISO 21567: 2004
504			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
505			Vibrio fluvialis	FDA-BAM Online Chapter 9 May 2004
506			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
507			Vibrio vulnificus	FDA BAM Chapter 9: May 2004
508			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
509		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
510			Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
511			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
512			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
513			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
514	Infant foods	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
515			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC ATS QWIFD FC198 Issue A / LCMSMS
516			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
517			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
518			Moniliformin	ATS QWIFD FC 207 Issue A / LC-MS / MS
519			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC

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520			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
521		Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenon X, T-2 toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	ATS QWIFD FC 205 Issue A / LC-MS / MS
522		Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC 204 Issue A / LC-MS / MS