



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: 14 July 2026
 Issue No.: 18

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)

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24		Food Additives	Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
25			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
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)

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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 (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

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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
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

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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)
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

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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			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
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

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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
100			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
101		Pathogens, Parasites & Toxins	E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
102			Hepatitis A virus	ATS QWIMIC 184_5 ^A
103			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
104			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
105			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
106			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
107			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
108			Vibrio fluvialis	FDA-BAM Online Chapter 9 May 2004
109			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
110			Vibrio vulnificus	FDA BAM Chapter 9: May 2004
111			Yersinia enterocolitica	ATS QWIMIC 78 Issue C

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112		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
113			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
114			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
115			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
116		Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
117			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
118			Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
119			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
120			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
121			Inorganic Arsenic	ATS QWIFD FC208 Issue A / LC-ICP-MS
122			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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123			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
124			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
125			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
126		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG30 Issue B / GCMS/ECD ATS QWIENV ORG45 Issue A / GC-FPD
127			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
128			Pesticide Residues	ATS QWIFD FC168 Issue C / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / Quechers Extraction / GCMSMS
129	Cocoa Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
130			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
131			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
132			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
133		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021

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134			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
135			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
136			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
137			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
138		Food Specifications	Fat %	ATS QWIFD FC22 Issue B
139			Moisture	ATS QWIFD FC20 Issue B
140			pH	ATS QWIFD FC45 Issue B / pH Meter
141		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
142			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
143			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
144			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
145		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
146			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
147			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
148			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
149			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
150		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
151			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
152			Coliform Count	FDA-BAM Online Chapter 4: Oct 2020

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153	Meat and Meat Products	Microbiological Indicators	E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
154			Enterobacteriaceae Count	ISO 21528-2: 2017
155			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
156			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
157		Pathogens, Parasites & Toxins	Campylobacter spp.	FDA-BAM Online, Chapter 7: Mar 2001
158			Clostridium perfringens	FDA-BAM Online, Chapter 16: Jan 2001
159			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
160			E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
161			Lactobacillus spp and Lactic Acid Bacteria (for fermented meat products)	ISO 15214: 1998
162			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
163			Salmonella serotyping (Salmonella Enteriditis, Salmonella Paratyphi A, Salmonella Paratyphi B and Salmonella Typhi)	ATS QWIMIC 149 Issue C
164			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
165			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
166			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
167			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
168		Drug Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
169			Beta-agonists	ATS QWIFD FC179 Issue A / LCMSMS (Screening) ATS QWIFD FC180 Issue A (Quantitation)
170			Nitrofurantoin and metabolites	ATS QWIFD FC84 Issue C / LCMSMS
171			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)
172			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
173			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
174		Food Additives	Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
175			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
176		Inorganic Contaminants	Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
177			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
178		Pesticide Residues	Organochlorine pesticides	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS

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179	Fish and Seafood Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
180			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
181			Enterobacteriaceae Count	ISO 21528-2: 2017
182			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
183			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
184			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
185		Pathogens, Parasites & Toxins	Aeromonas spp.	Practical Food Microbiology, 3rd Edition, Chapter 6.1
186			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
187			Hepatitis A virus	ATS QWIMIC 184_5 ^A
188			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
189			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
190			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
191			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
192			Streptococcus agalactiae (Group B Streptococcus, GBS) cultural testing	Food Borne Pathogen & Disease Volume 00 Number 00, 2009

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193			Sulphite Reducing Clostridia	ISO 15213-1: 2003
194			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
195			Vibrio fluvialis	FDA-BAM Online Chapter 9 May 2004
196			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
197			Vibrio vulnificus	FDA BAM Chapter 9: May 2004
198			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
199		Drug Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
200			Chloramphenicol	ATS QWI FD FC89 Issue C / LCMSMS
201			Crystal Violet and Leuco Crystal Violet	ATS QWIFD FC92 Issue D / LCMSMS
202			Malachite green and Leuco-malachite green	ATS QWIFD FC92 Issue D / LCMSMS
203			Nitrofurantoin and metabolites	ATS QWIFD FC84 Issue C / LCMSMS
204			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)
205			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
206			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
207		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
208			Formaldehyde	ATS QWIFD FC159 Issue B / Distillation / UV
209			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
210			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
211		Food Specifications	Phosphate (as P ₂ O ₅)	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES

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212		Inorganic Contaminants	Total Volatile Nitrogen	ATS QWIFD FC38 Issue B / Distillation / Titration
213			Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
214			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
215			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
216			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
217			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
218			Inorganic Arsenic	ATS QWIFD FC208 Issue A / LC-ICP-MS
219			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
220			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
221			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
222			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
223		Organic Contaminants	Histamine	ATS QWIFD FC149 Issue B / LCMSMS
224		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
225			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
226			Organochlorine pesticides	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS

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227	Egg and Egg Based Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
228			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
229			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
230			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
231		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
232			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
233			Salmonella Enteritidis	ATS QWIMIC 149 Issue C
234			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
235			Serotyping Salmonella Enteritidis	ATS QWIMIC 149 Issue C
236			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
237			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
238			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
239		Drug Residues	Nitrofurantoin and metabolites	ATS QWIFD FC84 Issue C / LCMSMS
240			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)

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241		Food Additives	Sudan Dyes (Sudan I, II, III, IV, Black B, Para Red)	ATS QWIFD FC55 Issue D / HPLC (Excluded Black B)
242		Inorganic Contaminants	Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
243			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
244			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
245			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
246			Lead (Preserved Eggs)	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
247			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
248			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
249	Sweeteners	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
250			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
251			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
252			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
253			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
254			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008

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255		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
256			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
257			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
258		Food Additives	Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
259		Food Specifications	Sucrose	ATS QWIFD FC91 Issue C / HPAEC-PAD
260		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
261			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
262			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
263			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
264			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
265		Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
266			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
267			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
268			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
269		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
270			Yersinia enterocolitica	ATS QWIMIC 78 Issue C

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271		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
272			Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
273			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
274		Food Specifications	Moisture	ATS QWIFD FC20 Issue B
275			pH	ATS QWIFD FC45 Issue B / pH Meter
276		Inorganic Contaminants	Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
277			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
278			Bromate	ATS QWIFD FC 206 Issue A / LCMSMS
279			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
280			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
281			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
282			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
283			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
284		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
285			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
286			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
287			Moniliformin	ATS QWIFD FC 207 Issue A / LC-MS / MS
288			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
289			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
290		Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenon X, T-2	ATS QWIFD FC 205 Issue A / LC-MS / MS

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			toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	
291		Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC 204 Issue A / LC-MS / MS
292	Grain Based Products	Bioengineering	GMO Testing for Soy Products (Soya endogenous, CaMV 35S promoter, NOS terminator)	ATS QWI MIC 166 Issue A / InviScreen
293		Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
294			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
295			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
296			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
297			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
298		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
299			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
300			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
301			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
302			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
303		Food Additives	Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
304		Inorganic Contaminants	Inorganic Arsenic	ATS QWIFD FC208 Issue A / LC-ICP-MS

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305		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
306			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC
307			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
308			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
309			Moniliformin	ATS QWIFD FC 207 Issue A / LC-MS / MS
310			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
311			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
312		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
313		Pesticide Residues	2-Chloroethanol (expressed as Ethylene Oxide)	ATS QWIENV ORG44 Issue A / GCMSMS
314			Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
315			Inorganic Bromide Residue	CRL for single residue methods ATS QWIENV ORG31 Issue C
316			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
317		Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC 204 Issue A / LC-MS / MS
318	Confectionery and Bakery Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
319			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
320			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
321			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
322			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
323			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
324		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
325			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
326			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
327			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
328			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
329		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
330			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
331			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
332		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
333			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC
334			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
335			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
336			Moniliformin	ATS QWIFD FC 207 Issue A / LC-MS / MS

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
337			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
338			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
339		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
340		Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC 204 Issue A / LC-MS / MS
341	Sauces, Seasonings, Soup, Spices and Related Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
342			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
343			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
344			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
345			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
346			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
347			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
348		Pathogens, Parasites & Toxins	Bacillus cereus Count	FDA-BAM Online Chapter 14: Oct 2020 ISO7932: 2004 / AMD1: 2020 (Corrected Version 2 2020-08)
349			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
350			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 150 Issue B

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				Screening using Solus ISO 16140-2: 2016 and confirmation using ISO 11290-1: 2017
351			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
352			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
353			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
354			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
355			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
356			10 Sweeteners (Acesulfame-K, Saccharin, Cyclamate as Cyclamic Acid, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame)	ATS QWIFD FC200 Issue A / LCMSMS
357			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
358			Methyl Paraben	ATS QWIFD FC71 Issue B / HPLC
359			Propyl Paraben	ATS QWIFD FC71 Issue B / HPLC
360			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
361			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
362		Food Specifications	Moisture	ATS QWIFD FC20 Issue B

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
363			Nitrogen Content / Total Nitrogen by Kjeldahl	ATS QWIFD FC21 Issue B / Kjeldahl Method
364		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
365			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
366			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
367			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
368			Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)
369		Deoxynivalenol		ATS QWIFD FC114 Issue B / HPLC
370		Fumonisin (FB1, FB2)		ATS QWIFD FC115 Issue B / HPLC-FLD
371		Zearalenone		ATS QWIFD FC94 Issue B / HPLC
372		Organic Contaminants	3-MCPD (3-MONOCHLOROPROPANE-1,2-DIOL)	ATS QWIFD FC27 Issue D / GCMS
373		Pesticide Residues	2-Chloroethanol (expressed as Ethylene Oxide)	ATS QWIENV ORG44 Issue A / GCMSMS
374			Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
375			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
376	Food Supplements	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
377			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
378			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
379			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
380			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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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
381		Pathogens, Parasites & Toxins	Bacillus cereus Count	FDA-BAM Online Chapter 14: Oct 2020 ISO7932: 2004 / AMD1: 2020 (Corrected Version 2 2020-08)
382			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
383			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
384			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
385			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
386			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
387		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
388			Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
389			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
390			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
391			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
392		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
393			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
394			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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395	Bottled Water	Microbiological Indicators	Coliform Count	APHA 9221B/9222B
396			E. coli Count	APHA 9222H
397			Faecal Coliform Count	APHA 9222D APHA 9221E
398			Sulphite Reducing Clostridia	ISO 6461-2 – 1986 (E) / Re-affirm 2013 Membrane Filtration
399			Total Colony Count / Aerobic Plate Count @ 30/35°C	APHA 9215B APHA 9215B (35°C for 24hrs) APHA 9215D
400		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	APHA 9213B
401			Enterococci Count	APHA 9230C
402			Pseudomonas aeruginosa Count	APHA 9213E
403			Salmonella spp.	APHA 9274B
404		Inorganic Contaminants	Anions (Chloride, Nitrate, Nitrite, Fluoride, Sulphate)	APHA 4110B
405			Bromate	APHA 4110D
406			Cyanide	APHA 4500CN N
407			Metals (Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Lead, Manganese, Mercury, Nickel, Selenium)	APHA 3125B / ICP-MS (Metals) ATS QWIENV INORG10 Issue B (Mercury)
408		Organic Contaminants	Trihalomethanes - Chloroform, bromodichloromethane, dibromochloromethane, bromoform	USEPA 8260D
409	Tea	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
410			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020

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411			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
412			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
413			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
414			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
415		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
416			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
417			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
418		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
419			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
420			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
421		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
422			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
423			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
424			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
425			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
426		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
427			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
428	Beverages	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
429			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
430			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
431			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
432			pH @ 25oC	ATS QWIFD FC45 Issue B / pH Meter
433			Sulphite Reducing Clostridia	ISO 15213-1: 2003
434			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
435			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
436		Pathogens, Parasites & Toxins	Campylobacter spp.	FDA-BAM Online, Chapter 7: Mar 2001
437			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
438			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
439			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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440			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
441			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
442			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
443		Drug Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
444			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)
445			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
446			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
447		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
448			Benzoic Acid	ATS QWIFD FC02 Issue D / Direct / HPLC
449			Sorbic Acid	ATS QWIFD FC02 Issue D / Direct / HPLC
450			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
451		Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
452			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
453			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
454		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
455			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC

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456		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
457			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
458	General Food Products	Pathogens, Parasites & Toxins	Campylobacter spp.	FDA-BAM Online, Chapter 7: Mar 2001
459			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
460		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
461			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
462			Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
463			Methyl Paraben	ATS QWIFD FC71 Issue B / HPLC
464			Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
465			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
466			Propyl Paraben	ATS QWIFD FC71 Issue B / HPLC
467			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
468			Sudan Dyes (Sudan I, II, III, IV, Black B, Para Red)	ATS QWIFD FC55 Issue D / HPLC (Excluded Black B)

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469		Food Specifications	Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
470			Crude Fat	ATS QWIFD FC22 Issue B
471		Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
472			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
473			Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
474			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
475			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
476			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
477			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
478			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
479			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
480		Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
481			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
482			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
483			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC

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S/N	Food Category	Area	Test Parameter	Standard Reference Method/ In-house Method No./ Equipment/ Technique
484		Organic Contaminants	Zearalenone	ATS QWIFD FC94 Issue B / HPLC
485			Acrylamide	ATS QWIFD FC93 Issue B / LCMSMS
486		Pesticide Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
487			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
488		Radioactivity	Cs-134	ATS QWIFD FC196 Issue C / Gamma Ray Spectrometry
489			Cs-137	ATS QWIFD FC196 Issue C / Gamma Ray Spectrometry
490			I-131	ATS QWIFD FC196 Issue C / Gamma Ray Spectrometry
491	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 ISO 4833-1: 2013 / AMD 1: 2022 ISO 4833-2: 2013 / AMD 1: 2022
492	Swabs from Poultry and Farm Environment	Pathogens, Parasites & Toxins	Salmonella Enteritidis	ATS QWIMIC 149 Issue C
493			Salmonella spp.	ATS QWIMIC 149 Issue C
494	Animal Feed	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
495			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
496			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
497		Organic Contaminants	Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
498			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
499			Melamine	ATS QWIFD FC80 Issue C / Dilution / LCMSMS ATS QWIFD FC82 Issue C / SPE / LCMSMS
500	RTE	Microbiological Indicators	E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
501			Enterobacteriaceae Count	ISO 21528-2: 2017
502			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
503		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
504			Escherichia coli O157:H7 (with serotype confirmation)	AOAC Method No. 2000.14 / Microbial Screening Test
505			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
506			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
507			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
508			Shigella spp.	ISO 21567: 2004
509			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
510			Vibrio fluvialis	FDA-BAM Online Chapter 9 May 2004

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511			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
512			Vibrio vulnificus	FDA BAM Chapter 9: May 2004
513			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
514		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
515			Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
516			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
517			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
518			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
519	Infant foods	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
520			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC ATS QWIFD FC198 Issue A / LCMSMS
521			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
522			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
523			Moniliformin	ATS QWIFD FC 207 Issue A / LC-MS / MS
524			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
525			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
526		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
527		Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC 204 Issue A / LC-MS / MS

^ Indicates that the test parameter is granted conditional recognition.