



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 April 2024

Issue No.: 15

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 21528-1: 2017 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	Milk and Dairy Products	Pathogens, Parasites & Toxins	Bacillus cereus Count	FDA-BAM Online Chapter 14: Oct 2020 ATS QWIMIC 100 Issue C
10			Clostridium perfringens	FDA-BAM Online, Chapter 16: Jan 2001

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				ISO 7937:2004
11			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
12			Cronobacter sakazakii	ATS QWIMIC 75 Issue C
13			Cronobacter spp.	ATS QWIMIC 75 Issue C
14			E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
15			Lactobacillus spp and Lactic Acid Bacteria	ISO 15214: 1998
16			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
17			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
18			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
19			Staphylococcal Enterotoxin, A-E	RIDASCREEN Set Total & RIDASCREEN Set A, B, C, D, E
20			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
21	Milk and Dairy Products	Drugs & Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
22			Nitrofurans and metabolites	ATS QWIFD FC84 Issue B / LCMSMS
23			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)

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24			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
25			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
26	Milk and Dairy Products	Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
27			Melamine	ATS QWIFD FC80 Issue B / Dilution / LCMSMS ATS QWIFD FC82 Issue B / SPE / LCMSMS
28			Methyl Paraben	ATS QWIFD FC71 Issue B / HPLC
29			Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
30			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
31			Propyl Paraben	ATS QWIFD FC71 Issue B / HPLC
32			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
33			Milk and Dairy Products	Food Specifications
34	Carbohydrate	ATS QWIFD FC23 Issue B / by calculation		
35	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)		
36	Crude protein	ATS QWIFD FC21 Issue B / Kjeldahl Method ATS QWIFD FC118 Issue C / Nitrogen Analyser		
37	Fat %	AOAC 905.02 Section 33.2.25 / Alkaline Hydrolysis (Rose-Gottlieb Method)		

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				AOAC 932.06 Section 33.5.08 / Alkaline Hydrolysis (Rose-Gottlieb Method)
38			Lard (eicosadienoic acid (C20:2 w6))	AOCS Ce 1h-05 / GC
39			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)
40			Milk Solids Non Fat	ATS QWIFD FC172 Issue A
41			Moisture	ATS QWIFD FC20 Issue B
42			Sucrose	ATS QWIFD FC91 Issue C / HPAEC-PAD
43			Total Milk Solids	ATS QWIFD FC172 Issue A
44			Total Solids	ATS QWIFD FC172 Issue A
45			Water activity @ 25°C	ATS QWIFD FC96 Issue B / Water Activity Meter
46	Milk and Dairy Products	Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
47			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
48			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
49			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
50			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
51			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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52			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
53			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
54			Tin	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
55	Milk and Dairy Products	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
56			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC ATS QWIFD FC198 Issue A / LCMSMS
57			Moniliformin	ATS QWIFD FC207 Issue A / LCMSMS
58	Milk and Dairy Products	Pesticides & Residues	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 B / 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

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65			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 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
67	Fats and Oil	Food Specifications	Cholesterol	ATS QWIFD OF26 Issue B / HPLC
68			Free Fatty Acid	AOCS Ca 5a-40 / ISO 660 (2009)
69			Holde's Test	ATS QWIFD OF32 Issue A
70			Iodine Value	AOCS Cd 1d-92 / ISO 3961 (2018)
71			Melting Point	AOCS Cc 3-25
72			Peroxide Value	AOCS Cd 8b-90 / ISO 3960 (2017)
73			Saponification Value	AOCS Cd 3-25 / ISO 3657 (2013)
74	Fats and Oil	Inorganic Contaminants	Copper	ATS QWIFD OF08 Issue B / Acid Digestion/ ICP-OES ATS QWIFD OF35 Issue C / Microwave Digestion / ICP-MS
75			Lead	ATS QWIFD OF08 Issue B / Acid Digestion/ ICP-OES ATS QWIFD OF35 Issue C / Microwave Digestion / ICP-MS
76	Fats and Oil	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
77			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue B / QuEChERS Extraction / LCMSMS

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				ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
78	Nuts and Related Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
79			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
80			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
81			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
82	Nuts and Related Products	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
83			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
84			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
85			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
86	Nuts and Related Products	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
87			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC
88			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
89			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
90			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC

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91			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
92	Nuts and Related Products	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
93			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
94	Fruits and Vegetables	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
95			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
96			Enterobacteriaceae Count	ISO 21528-1: 2017 ISO 21528-2: 2017
97			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
98			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
99	Fruits and Vegetables	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
100			E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
101			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
102			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
103			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS

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104			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
105			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
106			Vibrio fluvialis	FDA BAM Chapter 9:2004
107			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
108			Vibrio vulnificus	FDA BAM Chap 9 May 2004
109	Fruits and Vegetables	Food Additives	10 sweeteners: Acesulfame K, Cyclamate, Saccharin, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame	ATS QWIFD FC200 Issue A / LCMSMS
110			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
111			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
112			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
113			Sweeteners (Acesulfame-K, Saccharin, Cyclamate as Cyclamic Acid)	ATS QWIFD FC88 Issue B / HPLC ATS QWIFD FC99 Issue B / HPLC
114	Fruits and Vegetables	Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
115			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
116			Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
117			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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118			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
119			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
120			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
121			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
122			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
123	Fruits and Vegetables	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG30 Issue B / GCMS/ECD ATS QWIENV ORG45 Issue A / GC-FPD
124			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue B / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
125			Pesticide Residues	ATS QWIFD FC168 Issue B / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / Quechers Extraction / GCMSMS
126	Cocoa Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
127			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
128			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020

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129			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
130	Cocoa Products	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
131			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
132			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
133			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
134	Cocoa Products	Food Specifications	Fat %	ATS QWIFD FC22 Issue B
135			Moisture	ATS QWIFD FC20 Issue B
136			pH	ATS QWIFD FC45 Issue B / pH Meter
137	Cocoa Products	Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
138			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
139			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
140			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
141	Cocoa Products	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
142			Deoxynivalenol	ATS QWIFD FC114 Issue B/ HPLC
143			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD

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144			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
145			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
146	Cocoa Products	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
147			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
148	Meat and Meat Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
149			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
150			Enterobacteriaceae Count	ISO 21528-1: 2017 ISO 21528-2: 2017
151			pH @ 25°C	ATS QWIFD FC45 Issue B / pH Meter
152			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
153	Meat and Meat Products	Pathogens, Parasites & Toxins	Campylobacter spp.	FDA-BAM Online, Chapter 7: Mar 2001
154			Clostridium perfringens	FDA-BAM Online, Chapter 16: Jan 2001 ISO 7937:2004
155			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
156			E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
157			Lactobacillus spp and Lactic Acid Bacteria (for fermented meat products)	ISO 15214: 1998

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158			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
159			Salmonella serotyping (Salmonella Enteritidis, Salmonella Paratyphi A, Salmonella Paratyphi B and Salmonella Typhi)	ATS QWIMIC 149 Issue C
160			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
161			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
162			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
163			Meat and Meat Products	Drugs & Residues
164	Beta-agonists	ATS QWIFD FC179 Issue A / LCMSMS (Screening) ATS QWIFD FC180 Issue A (Quantitation)		
165	Nitrofurans and metabolites	ATS QWIFD FC84 Issue B / LCMSMS		
166	Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)		
167	Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)		
168	Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)		
169	Meat and Meat Products	Food Additives	Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer

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170			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
171	Meat and Meat Products	Inorganic Contaminants	Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
172			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
173	Meat and Meat Products	Pesticides & Residues	Organochlorine pesticides	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
174	Fish and Seafood Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
175			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
176			Enterobacteriaceae Count	ISO 21528-1: 2017 ISO 21528-2: 2017
177			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
178			pH @ 25°C	ATS QWIFD FC45 Issue B / pH Meter
179			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
180	Fish and Seafood Products	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
181			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
182			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
183			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020

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184			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
185			Streptococcus agalactiae (Group B Streptococcus, GBS) cultural testing	Food borne Pathogen & Disease Volume 00 Number 00, 2009
186			Sulphite Reducing Clostridia	ISO 15213:2003
187			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
188			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
189			Vibrio vulnificus	FDA BAM Chap 9 May 2004
190	Fish and Seafood Products	Drugs & Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
191			Chloramphenicol	ATS QWI FD FC89 Issue B / LCMSMS
192			Crystal Violet and Leuco Crystal Violet	ATS QWIFD FC92 Issue C / LCMSMS
193			Malachite green and Leuco-malachite green	ATS QWIFD FC92 Issue C / LCMSMS
194			Nitrofurantoin and metabolites	ATS QWIFD FC84 Issue B / LCMSMS
195			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)
196			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
197			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
198		Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC

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199	Fish and Seafood Products		Formaldehyde	ATS QWIFD FC159 Issue B / Distillation / UV
200			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
201			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
202	Fish and Seafood Products	Food Specifications	Phosphate (as P2O5)	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
203			Total Volatile Nitrogen	ATS QWIFD FC38 Issue B / Distillation / Titration
204	Fish and Seafood Products	Inorganic Contaminants	Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
205			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
206			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
207			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
208			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
209			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
210			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
211			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
212			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
213	Fish and Seafood Products	Organic Contaminants	Histamine	ATS QWIFD FC149 Issue B / LCMSMS

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214	Fish and Seafood Products	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
215			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue B / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
216			Organochlorine pesticides	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
217	Egg and Egg Based Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
218			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
219			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
220			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
221	Egg and Egg Based Products	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
222			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
223			Salmonella Enteritidis	ATS QWIMIC 149 Issue C
224			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
225			Serotyping Salmonella Enteritidis	ATS QWIMIC 149 Issue C

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226			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
227			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
228	Egg and Egg Based Products	Drugs & Residues	Nitrofurans and metabolites	ATS QWIFD FC84 Issue B / LCMSMS
229			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
230	Egg and Egg Based Products	Food Additives	Sudan Dyes (Sudan I, II, III, IV, Black B, Para Red)	ATS QWIFD FC55 Issue D / HPLC
231	Egg and Egg Based Products	Inorganic Contaminants	Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
232			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
233			Chromium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
234			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
235			Lead (Preserved Eggs)	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
236			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
237			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
238	Sweeteners	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
239			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020

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240			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
241			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
242			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
243			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
244	Sweeteners	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
245			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
246	Sweeteners	Food Additives	Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
247	Sweeteners	Food Specifications	Sucrose	ATS QWIFD FC91 Issue C / HPAEC-PAD
248	Sweeteners	Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
249			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
250			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
251			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
252			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
253			Coliform Count	FDA-BAM Online Chapter 4: Oct 2020

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254	Flour, Improvers and Related Products	Microbiological Indicators	E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
255			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
256			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
257	Flour, Improvers and Related Products	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
258	Flour, Improvers and Related Products	Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
259			Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
260			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
261	Flour, Improvers and Related Products	Food Specifications	Moisture	ATS QWIFD FC20 Issue B
262			pH	ATS QWIFD FC45 Issue B / pH Meter
263	Flour, Improvers and Related Products	Inorganic Contaminants	Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
264			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
265			Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
266			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
267			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
268			Mercury	ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser

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269			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
270	Flour, Improvers and Related Products	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
271			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
272			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
273			Moniliformin	ATS QWIFD FC207 Issue A / LCMSMS
274			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
275			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
276	Flour, Improvers and Related Products	Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenon X, T-2 toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	ATS QWIFD FC205 Issue A / LCMSMS
277	Flour, Improvers and Related Products	Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC204 Issue A / LCMSMS
278	Grain Based Products	Bioengineering	GMO Testing for Soy Products (Soya endogenous, CaMV 35S promoter, NOS terminator)	ATS QWIMIC 99 Issue C
279	Grain Based Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
280			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
281			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020

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282			pH @ 25°C	ATS QWIFD FC45 Issue B / pH Meter
283			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
284	Grain Based Products	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
285			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
286			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
287			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
288	Grain Based Products	Food Additives	Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
289	Grain Based Products	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
290			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC
291			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
292			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
293			Moniliformin	ATS QWIFD FC207 Issue A / LCMSMS
294			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
295			Zearalenone	ATS QWIFD FC94 Issue B / HPLC

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296	Grain Based Products	Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenon X, T-2 toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	ATS QWIFD FC205 Issue A / LCMSMS
297	Grain Based Products	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
298			Inorganic Bromide Residue	CRL for single residue methods ATS QWIENV ORG31 Issue C
299			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue B / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
300	Grain Based Products	Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC204 Issue A / LCMSMS
301	Confectionery and Bakery Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
302			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
303			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
304			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
305			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
306			Yeast 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
307	Confectionery and Bakery Products	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
308			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
309			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
310			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
311	Confectionery and Bakery Products	Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
312			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
313			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
314	Confectionery and Bakery Products	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
315			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC
316			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
317			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
318			Moniliformin	ATS QWIFD FC207 Issue A / LCMSMS
319			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
320			Zearalenone	ATS QWIFD FC94 Issue B / HPLC

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321	Confectionery and Bakery Products	Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenon X, T-2 toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	ATS QWIFD FC205 Issue A / LCMSMS
322	Confectionery and Bakery Products	Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC204 Issue A / LCMSMS
323	Sauces, Seasonings, Soup, Spices and Related Products	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
324			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
325			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
326			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
327			pH @ 25°C	ATS QWIFD FC45 Issue B / pH Meter
328			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
329			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
330	Sauces, Seasonings, Soup, Spices and Related Products	Pathogens, Parasites & Toxins	Bacillus cereus Count	FDA-BAM Online Chapter 14: Oct 2020 ATS QWIMIC 100 Issue C
331			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
332			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017

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				ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
333			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
334			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
335			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
336			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
337			10 sweeteners: Acesulfame K, Cyclamate, Saccharin, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame	ATS QWIFD FC200 Issue A / LCMSMS
338	Sauces, Seasonings, Soup, Spices and Related Products	Food Additives	Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
339			Methyl Paraben	ATS QWIFD FC71 Issue B / HPLC
340			Propyl Paraben	ATS QWIFD FC71 Issue B / HPLC
341			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
342			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
343			Sauces, Seasonings, Soup, Spices and Related Products	Food Specifications
344	Nitrogen Content / Total Nitrogen by Kjeldahl	ATS QWIFD FC21 Issue B / Kjeldahl Method		
345			Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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346	Sauces, Seasonings, Soup, Spices and Related Products	Inorganic Contaminants	Cadmium	ATS QWIFD FC163 Issue B / Acid Digest / ICPMS
347			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
348			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
349	Sauces, Seasonings, Soup, Spices and Related Products	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
350			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
351			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
352			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
353	Sauces, Seasonings, Soup, Spices and Related Products	Organic Contaminants	3-MCPD (3-MONOCHLOROPROPANE- 1,2-DIOL)	ATS QWIFD FC27 Issue C / GCMS
354	Sauces, Seasonings, Soup, Spices and Related Products	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
355			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue B / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
356	Food Supplements	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
357			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
358			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
359			pH @ 25°C	ATS QWIFD FC45 Issue B / pH Meter

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360			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
361	Food Supplements	Pathogens, Parasites & Toxins	Bacillus cereus Count	FDA-BAM Online Chapter 14: Oct 2020 ATS QWIMIC 100 Issue C
362			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
363			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
364			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
365			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
366			Food Supplements	Food Additives
367	Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer		
368	Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer		
369	Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC		
370	Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method		
371	Food Supplements	Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
372			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
373			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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374	Bottled Water	Microbiological Indicators	Coliform Count	APHA 9221B APHA 9222B
375			E. coli Count	APHA 9222H
376			Faecal Coliform Count	APHA 9222D APHA 9221E
377			Sulphite Reducing Clostridia	ISO 6461-2 – 1986 (E) / Re-affirm 2013 Membrane Filtration
378			Total Colony Count / Aerobic Plate Count @ 30/35°C	APHA 9215B APHA 9215D
379	Bottled Water	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021 APHA 9213B
380			Enterococci Count	APHA 9230C
381			Pseudomonas aeruginosa Count	APHA 9213E
382			Salmonella spp.	APHA 9260B
383	Bottled Water	Inorganic Contaminants	Anions (Chloride, Nitrate, Nitrite, Fluoride, Sulphate)	APHA 4110B
384			Bromate	APHA 4110D
385			Cyanide	APHA4500CN N
386			Metals (Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Lead, Manganese, Mercury, Nickel, Selenium)	APHA 3125B (Metals) ATS QWIENV INORG10 Issue B (Mercury)
387			Organic matter (as O2)	APHA 5220C

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388			Sulphide	APHA 4500S ² -D
389	Bottled Water	Organic Contaminants	Trihalomethanes - Chloroform, bromodichloromethane, dibromochloromethane, bromoform	USEPA 8260D
390	Tea	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
391			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
392			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
393			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
394			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
395			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
396	Tea	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
397			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
398	Tea	Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
399			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
400			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
401	Tea	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC

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402			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
403			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
404			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
405			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
406	Tea	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
407			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue B / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
408	Beverages	Microbiological Indicators	Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
409			E. coli Count	FDA-BAM Online Chapter 4: Oct 2020
410			Faecal Coliform Count	FDA-BAM Online Chapter 4: Oct 2020
411			Mould Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008
412			pH @ 25°C	ATS QWIFD FC45 Issue B / pH Meter
413			Sulphite Reducing Clostridia	ISO 15213:2003
414			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
415			Yeast Count	FDA-BAM Online Chapter 18: Apr 2001 ISO 21527-2: 2008

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416	Beverages	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
417			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
418			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
419			Shigella spp.	ISO 21567: 2004 ATS QWIMIC 21 Issue D
420			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
421	Beverages	Drugs & Residues	Aminoglycosides	ATS QWIFD FC175 Issue A / LCMSMS (Screening) ATS QWIFD FC188 Issue A / LCMSMS (Quantitation)
422			Penicillins	ATS QWIFD FC178 Issue A / LCMSMS (Screening)
423			Sulpha drugs	ATS QWIFD FC177 Issue A / LCMSMS (Screening) ATS QWIFD FC190 Issue A / LCMSMS (Quantitation)
424			Tetracyclines	ATS QWIFD FC176 Issue A / LCMSMS (Screening)
425	Beverages	Food Additives	10 sweeteners: Acesulfame K, Cyclamate, Saccharin, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame	ATS QWIFD FC200 Issue A / LCMSMS
426			Benzoic Acid	ATS QWIFD FC02 Issue D / Direct / HPLC
427			Sorbic Acid	ATS QWIFD FC02 Issue D / Direct / HPLC

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428			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
429	Beverages	Inorganic Contaminants	Arsenic	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
430			Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES
431			Lead	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
432	Beverages	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
433			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
434	Beverages	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
435			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
436	General Food Products	Food Additives	10 sweeteners: Acesulfame K, Cyclamate, Saccharin, Stevioside, Sucralose, Advantame, Alitame, Aspartame, Neohesperidin Dihydrochalcone, Neotame	ATS QWIFD FC200 Issue A / LCMSMS
437			Benzoic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
438			Boric Acid	ATS QWIFD FC41 Issue A / Acid Digest / ICP-OES
439			Methyl Paraben	ATS QWIFD FC71 Issue B / HPLC
440	General Food Products	Food Additives	Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer
441			Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer

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442			Propyl Paraben	ATS QWIFD FC71 Issue B / HPLC
443			Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC
444			Sudan Dyes (Sudan I, II, III, IV, Black B, Para Red)	ATS QWIFD FC55 Issue D / HPLC
445			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
446	General Food Products	Food Specifications	Crude Fat	ATS QWIFD FC22 Issue B
447			Aluminium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
448			Antimony	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
449			Arsenic	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
450			Cadmium	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
451	General Food Products	Inorganic Contaminants	Copper	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
452			Lead	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
453			Mercury	ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS ATS QWIFD FC170 Issue A / Combustion / Mercury Analyser
454			Nickel	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS

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455			Tin	ATS QWIFD FC25 Issue E / Acid Digest / ICP-OES ATS QWIFD FC163 Issue B / Acid Digest / ICP-MS
456	General Food Products	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
457			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
458			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
459			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
460			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
461	General Food Products	Organic Contaminants	Acrylamide	ATS QWIFD FC115 Issue B / HPLC-FLD
462	General Food Products	Pesticides & Residues	Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
463			Multi-Pesticide Residues (GC-MS/MS & LC-MS/MS)	ATS QWIFD FC168 Issue B / QuEChERS Extraction / LCMSMS ATS QWIENV ORG33 Issue C / QuEChERS Extraction / GCMSMS
464	General Food Products (Radioactivity)	Radioactivity	Cs-134	ATS QWIFD FC196 Issue B / Gamma Ray Spectrometry
465			Cs-137	ATS QWIFD FC196 Issue B / Gamma Ray Spectrometry
466			I-131	ATS QWIFD FC196 Issue B / Gamma Ray Spectrometry
467	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;

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				ISO 4833-2: 2013 /AMD 1: 2022 Compendium of Methods for Microbiological Examinations of Foods, 5th Edition, Chapter 61
468	Swabs from Poultry and Farm Environment	Pathogens, Parasites & Toxins	Salmonella Enteritidis	ATS QWIMIC 149 Issue C
469			Salmonella spp.	ATS QWIMIC 149 Issue C
470	Animal Feed	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
471			Deoxynivalenol	ATS QWIFD FC114 Issue B / HPLC
472			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
473			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
474			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
475	Animal Feed	Organic Contaminants	Melamine	ATS QWIFD FC80 Issue B / Dilution / LCMSMS ATS QWIFD FC82 Issue B / SPE / LCMSMS
476	RTE	Microbiological Indicators	Enterobacteriaceae Count	ISO 21528-1: 2017 ISO 21528-2: 2017
477			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
478	RTE	Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1:2021
479			Escherichia coli count	FDA-BAM online Chapter 4: Oct 2020
480			Escherichia coli O157:H7 (with serotype confirmation)	AOAC Method No. 2000.14 / Microbial Screening Test

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481			Listeria monocytogenes	FDA-BAM Online Chapter 10: Apr 2022 ISO 11290-1: 2017 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
482			Norovirus (Genotype I & II)	ATS QWIMIC 143 Issue B
483			Salmonella spp.	FDA-BAM Online Chapter 5: Nov 2022 ISO 6579-1: 2017 / AMD 1:2020 ATS QWIMIC 93A-B Issue C (RT-PCR); SOLUS
484			Shigella spp.	ISO 21567: 2004
485			Vibrio cholerae	FDA-BAM Online Chapter 9: May 2004
486			Vibrio parahaemolyticus Count	FDA-BAM Online Chapter 9: May 2004
487			Vibrio vulnificus	FDA BAM Chap 9 May 2004
488			RTE	Food Additives
489	Nitrate	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer		
490	Nitrite	ATS QWIFD FC24 Issue B / Cd Reduction / UV Spectrophotometer		
491	Sorbic Acid	ATS QWIFD FC01 Issue D / Steam Distillation / HPLC		
492	Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method		
493	Infant foods	Mycotoxins	Aflatoxin BG (Aflatoxin B1, B2, G1, G2)	ATS QWIFD FC51 Issue B / HPLC
494			Aflatoxin M1	ATS QWIFD FC70 Issue B / HPLC ATS QWIFD FC198 Issue A / LCMSMS

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495			Deoxynivalenol	ATS QWIFD FC114 Issue B/ HPLC
496			Fumonisin (FB1, FB2)	ATS QWIFD FC115 Issue B / HPLC-FLD
497			Moniliformin	ATS QWIFD FC207 Issue A / LCMSMS
498			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
499			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
500	Infant foods	Organic Contaminants	Trichothecenes (Nivalenol, Deoxynivalenol, 3-Acetyldeoxynivalenol, Fusarenon X, T-2 toxin, HT-2 toxin, Diacetoxyscirpenol, 15-Acetyldeoxynivalenol)	ATS QWIFD FC205 Issue A / LCMSMS
501	Infant foods	Phytotoxins	Tropane Alkaloids (Atropine, Scopolamine)	ATS QWIFD FC204 Issue A / LCMSMS