



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: 26 February 2026
 Issue No.: 17

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				Nitrofurans 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
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			Pathogens, Parasites & Toxins	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)
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
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		Pathogens, Parasites & Toxins	Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
101			E. Coli O157:H7 (Screening test)	AOAC Method No. 2000.14 / Microbial Screening Test
102			Hepatitis A virus	ATS QWIMIC 184_1 / Real-Time PCR
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			Nitrofurans 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
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_1 / Real-Time PCR
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
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	Flour, Improvers and Related Products	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
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)
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			Coagulase Positive Staphylococcus aureus Count	FDA-BAM Online Chapter 12: Mar 2016 ISO 6888-1: 2021
325		Pathogens, Parasites & Toxins	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				Benzoic Acid
330		Food Additives	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				Aflatoxin BG (Aflatoxin B1, B2, G1, G2)
333		Mycotoxins	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	Sauces, Seasonings, Soup, Spices and Related Products		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		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		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
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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363		Inorganic Contaminants	Nitrogen Content / Total Nitrogen by Kjeldahl	ATS QWIFD FC21 Issue B / Kjeldahl Method
364			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)	ATS QWIFD FC51 Issue B / HPLC
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
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
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
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.
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			Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD
457		Pesticide Residues	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		Pathogens, Parasites & Toxins	Campylobacter spp.	FDA-BAM Online, Chapter 7: Mar 2001
459			Yersinia enterocolitica	ATS QWIMIC 78 Issue C
460	General Food Products	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			Sulphur Dioxide	AOAC 990.28 Section 47.3.43 / Optimised Monier Williams Method
470		Food Specifications	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)
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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484		Organic Contaminants	Zearalenone	ATS QWIFD FC94 Issue B / HPLC	
485			Acrylamide	ATS QWIFD FC93 Issue B / LCMSMS	
486			Dithiocarbamates (as total carbon disulfide)	ATS QWIENV ORG45 Issue A / GC-FPD	
487		Pesticide Residues	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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497			Ochratoxin A	ATS QWIFD FC54 Issue C / HPLC
498			Zearalenone	ATS QWIFD FC94 Issue B / HPLC
499		Organic Contaminants	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		

