

**4. Department of Science and Technology – V
Regional Standards and Testing Laboratory**

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Field of Testing : Chemical Testing and
Microbiological Testing

Chemical Testing

Products	Specific Test	Method/Reference
I. Foods		
.01 Cereal and cereal products		
1. Breakfast cereals 2. Cereal/cereal grains 3. Cultured seeds and grains 4. Soya flours concentrates and isolates 5. Flour, corn meal, corn grits, semolina 6. Frozen entrees containing rice or corn flour 7. Soy protein 8. Tofu 9. Pasta products and noodles (e.g. rice paper, rice vermicelli, soybean pastas and noodles) 10. Starch	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)-Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 923.03
	Moisture	Oven Method/AOAC Method 925.10
	.02 Nuts and nut products	
1. Peanut butter and other nut butters	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)-Atomic Emission Spectroscopy (AES)

	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 950.49
	Moisture	Oven Method/AOAC Method 934.01
.03 Dairy products		
1. All cheese made from pasteurized milk (cottage cheese, soft & semi-solid cheese) 2. Processed cheese spread 3. Ice cream and sherbet plain and flavoured 4. Ice cream with added ingredients 5. Flavored ice 6. Milk powders (whole, nonfat or filled milk, buttermilk, whey & whey protein concentrate) 7. Sweetened Condensed milk 8. Liquid Milk (evaporated or Ready to Drink) and Cream (Ultra Heat Temperature/sterilized) 9. Pasteurized milk 10. Pasteurized cream 11. Yogurt and other fermented milk	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)-Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 942.05
	Moisture	Oven Method/AOAC Method 934.01
.04 Meat and Meat products		
1. Dried animal products 2. Meat paste and pate' (heat treated) 3. Cold cuts, frozen and chilled hotdogs, corned beef, luncheon meat 4. Packaged cooked cured/salted meat (ham, bacon) 5. Fermented, comminuted meat, not cooked (dry and semi-dry fermented sausages) 6. Cooked poultry meat, frozen to be re-heated before eating (e.g. prepared	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)-Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003

frozen meals) 7. Cooked poultry meat, frozen, ready-to-eat (e.g. turkey rolls) 8. Cured/smoked poultry meat 9. Dehydrated poultry products 10. Fresh/frozen raw chicken (during processing) 11. Meat products in hermetically sealed containers	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 920.153
	Moisture	Oven Method/AOAC Method 950.43B
.05 Fish and fish products, including molluscs, crustaceans, and echinoderms		
1. Fresh and frozen fish and cold-smoked 2. Pre-Cooked Breaded Fish 3. Frozen cooked crustaceans 4. Cooked, chilled & frozen crabmeat 5. Fish and shellfish products in hermitically sealed containers 6. Smoked, dried, fermented, and /or salted fish and fish products	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)-Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 938.08
	Moisture	Oven Method/AOAC Method 952.08A
.06 Sugar and sugar products		
1. Refined and raw sugars 2. Brown sugar 3. Sugar solutions and syrups 4. Other sugars and syrups (e.g. xylose, maple syrup, sugar toppings) 5. Honey 6. Table-top sweeteners, including	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)-Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003

those containing high-intensity sweeteners	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 900.02A
	Moisture	Oven Method/AOAC Method 925.45B
.07 Confectioneries		
1. Cocoa powder 2. Chocolate products 3. Chocolate confectioneries (chocolate bars, blocks, bonbons) 4. Sugar confectioneries (hard and soft candies, toffees, caramel, fondants, creams, nougats and pastes)	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)- Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 900.02A
	Moisture	Oven Method/AOAC Method 925.45B
.08 Fruits, jams and other fruit products		
1. Frozen fruits 2. Coconut (desiccated) 3. Sun dried fruit 4. Jams, jellies, marmalades 5. Fruit-based spreads 6. Candied fruit 7. Fruit preparations (pulp, purees, fruit toppings and coconut milk) 8. Fermented fruit products 9. Fruit fillings for pastries	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)- Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 940.26A
	Moisture	Oven Method/AOAC Method 934.01

.09 Vegetables and vegetable products		
1. Frozen vegetables 2. Dried vegetables 3. Vegetables in vinegar, oil, brine, or soybean sauce 4. Canned or bottled (pasteurized) or retort pouch vegetables 5. Fermented vegetable 6. Cooked or fried vegetables	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)-Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 942.05
	Moisture	Oven Method/AOAC Method 934.01/964.22
.15 Eggs and eggs products		
1. Egg products (liquid, frozen, dried) 2. Preserved eggs, including alkaline, salted, and canned eggs 3. Egg-based desserts (e.g. custard)	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)-Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 942.05
	Moisture	Oven Method/AOAC Method 934.01
.20 Other food products		
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/Tecator Application Notes Rev. 1.2 by Foss Tecator 2003

	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 942.05
	Moisture	Oven Method/AOAC Method 934.01
.24 Sauce, spices and condiments		
1. Dry mixes for soup and sauces 2. Yeast 3. Spices and herbs 4. Salad dressing (e.g. Mayonnaise, Thousand island, Mustard) 5. Vinegars 6. Salt 7. Sauces and like products (e.g. fish sauce) 8. Soybean-based seasonings and condiments (e.g. soy sauce)	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)- Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 941.12A
	Moisture	Oven Method/AOAC Method 934.01
.26 Novel food products		
	Minerals (Sodium, Potassium, Iron, Zinc, Calcium)	Microwave Plasma(MP)- Atomic Emission Spectroscopy (AES)
	Crude Protein	Kjeldahl Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes Rev. 1.2 by Foss Tecator 2003
	Crude Fat	Soxtec Method/Online Official Methods of Analysis AOAC/ Tecator Application Notes AN 301 Rev.2 by Perstop Analytical 1995
	Ash	Gravimetric Method/AOAC Method 942.05
	Moisture	Oven Method/AOAC Method 964.22

IV. Water

.01 Bottled water	pH	Electrometric Method/SMEWW Method 4500-H B
	Alkalinity	Titration Method/SMEWW Method 2320 B
	Hardness	EDTA Titration/SMEWW Method 2340 C
.01 Bottled water	Oil and Grease	Liquid-liquid, Partition-Gravimetric Method/SMEWW Method 5220 B
	Total Suspended Solids (TSS)	(TSS dried at 103°C-105°C) SMEWW Method 2540D
	Total Dissolved Solids (TDS)	(TSS dried at 180°C) SMEWW Method 2540C
	Total Solids (TS)	(Dried at 103°C-105°C) SMEWW Method 2540B
	Conductivity	Conductivity Meter/SMEWW Method 2510
	Turbidity	Nephelometric Method/SMEWW Method 2130B
	Chlorides	Argentometric Method/SMEWW Method 4500-Cl B
	Biochemical Oxygen Demand (BOD)	Five (5)-day BOD Test (Azide Modification-Dilution Technique) SMEWW Method 5210B
	Dissolved Oxygen (DO)	Azide Modification/SMEWW Method 4500-O C
	Trace Metals (Cd, Mn, Ni, Pb, Na, K, Fe, Zn, Cr, Mg, Ca)	Microwave Plasma (MP) - Atomic Emission Spectroscopy (AES)
	Calcium Hardness	SMEWW 3500Ca

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Microbiological Testing

I. Foods

01 Milk and Dairy Products

01.1 Milk Powders (e.g. whole nonfat or filled milk, buttermilk, whey & whey protein concentrate) (intended for children more than 36 months of age and adults)	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
01.2 Sweetened Condensed Milk	Aerobic Plate Count Mold and Yeast Count	Pour Plate Method BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Petrifilm™, Rapid Method/AOAC
01.4 Pasteurized Milk	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
01.5 Pasteurized Cream	Aerobic Plate Count	Pour Plate method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
01.6 Yogurt and other fermented milk	Coliform Count <i>Salmonella Detection</i> <i>S. aureus Count</i> (coagulase+)	Petrifilm™ , Rapid Method/AOAC
01.7 Cheese and chesse products e.g. cottage cheese; soft and semi-soft cheese (moisture > 39%, pH >5)	<i>Salmonella Detection</i> <i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
01.8 Processed Cheese Spread	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC

	Coliform Count <i>S. aureus</i> Count (coagulase +)	Petrifilm™, Rapid Method/AOAC
01.9 All Raw Milk Cheese; Raw Milk Un-ripened cheese with moisture > 50%, pH >5.0	<i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
02 Fats, Oils, and Fat Emulsions		
02.1 Butter (whipped, pasteurized)	Aerobic Plate Count Molds and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
02.2 Butter made from unpasteurized milk or milk products	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
02.3 Margarine	Aerobic Plate Count Mold and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
03 Edible Ices including Sherbet and Sorbet		
03.1 Ice Cream & Sherbet (plain and flavored)	Aerobic Plate Count	Pour Plate method, BAM Online Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
03.2 Ice Cream with added ingredients (nuts, fruits, cocoa, etc.)	Aerobic Plate Count	Pour Plate Method, BAM Online Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella</i> Detection <i>S. aureus</i> Count (coagulase+)	Petrifilm™, Rapid Method/AOAC
03.3 Flavored Ice (e.g. ice candy)	Aerobic Plate Count Mold and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online

	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
04 Confectionaries		
04.1 Cocoa Powder	Aerobic Plate CountMold Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
04.2 Chocolate Products	Aerobic Plate Count Mold Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
04.3 Chocolate Confectionaries (chocolate bars, blocks, bonbons)	Aerobic Plate Count Mold Count	Pour Palte Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
04.4 Sugar Confectionaries (hard & soft candies, caramel, fondants, creams, nougats and pastes)	Aerobic Plate Count Mold Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
05 Fruits and Vegetables, Nuts and Seeds		
05.2 Fermneted Vegetables, ready to eat (e.g. Kimchi)	Mold and Yeast Count	Pour Plat eMethod, BAM Online, Petrifilm™, Rapid Method/AOAC

	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
05.5 Dessicated Coconut	Aerobic Plate Count Molds and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella</i> Detection	Petrifilm™, Rapid Method/AOAC
05.6 Peanut Butter & other Nut Butters	<i>Salmonella</i> Detection	Petrifilm™, Rapid Method/AOAC
05.7 Sun Fruits	Mold Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
06 Egg and Egg Products		
06.1 Pasteurized Egg Products (liquid, frozen or dried)	Aerobic Plate Count Molds and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
07 Cereals and Cereal Products		
07.1 Breakfast Cereals	Mold Count Yeast & Yeastlike fungi Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Petrifilm™, Rapid Method/AOAC
07.2 Cereals/Cereal Grains	Aerobic Plate Count Molds and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Petrifilm™, Rapid Method/AOAC
07.4 Soya Flours Concentrates and Isolates	Mold Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC

	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
07.5 Frozen Corn meal, Corn grits, Semolina	Mold Count Yeast & Yeastlike fungi	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Petrifilm™, Rapid Method/AOAC
07.6 Soy Protein	Aerobic Plate Count Molds and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
07.7 Tofu	<i>S. aureus Count</i> (coagulase +)	Petrifilm™, Rapid Method/AOAC
07.8 Pasta Products and Noodles Uncooked (wet & dry)	Aerobic Plate Count Molds and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
07.9 Starch	Aerobic Plate Count Molds and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
08 Bakery Products		

08.1 Frozen Bakery Products (ready eat) with low acid or high a _w fillings or toppings	<i>Salmonella</i> Detection <i>S. aureus</i> Count (coagulase +)	Petrifilm™, Rapid Method/AOAC
08.2 Frozen Bakery Products (to be cooked) with low acid or high a _w fillings or toppings (e.g. meat pies, pizzas)	<i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
08.3 Frozen and Refrigerated Doughs (Chemically leavened)	Aerobic Plate Count Moulds Count Yeast & Yeastlike Fungi Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
08.4 Frozen and Refrigerated Doughs (Chemically leavened)	Aerobic Plate Count Moulds Count Yeast & Yeastlike Fungi Count	Pour Plate method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Petrifilm™, Rapid Method/AOAC
08.5 Baked Goods (microbiologically sensitive types e.g. containing eggs & dairy products)	Aerobic Plate Count Molds and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
08.6 Coated and Filled, Dried Shelf-Stable Biscuits	Coliform Count	Multiple Tube Fermentation BAM Online
09 Ready to Eat Savouries		
09.1 Snack Foods	Aerobic Plate Count Moulds Count Yeast & Yeastlike Fungi Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Petrifilm™, Rapid Method/AOAC
10.0 Meat and Meat Products		
10.3 Cold Cuts, Frozen & Chilled Hot Corn Beef, Lucheon Meat	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC
10.4 Packed cooked cured/salted meat (ham, bacon)	<i>Salmonella</i> Detection <i>S. aureus</i> Count(coagulase+)	Petrifilm™, Rapid Method/AOAC

10.6 Cooked Poultry Meat, Frozen to be reheated before eating (e.g. prepared frozen meals)	<i>Salmonella Detection</i> <i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
10.7 Cured/Smoked Poultry Products	<i>Salmonella Detection</i> <i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
11. Fish and Fish Products		
11.1 Fresh Forozen Fish and Cold-Smoked	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>Salmonella Detection</i> <i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
11.2 Pre-Cooked Breaded Breaded Fish	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
11.4 Frozen Raw Crustaceans	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>Salmonella Detection</i> <i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
11.5 Cooked, Chilled & Frozen Crabmeat	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
11.6 Fresh and Frozen Bivalve Mollusks	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
12.0 Spices, Soups, Sauces, Salad, and Protein Products		
12.1 Dry Mixes for Soup and Sauces	Aerobic Plate Count Mold and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
12.2 Yeast	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
12.3 Spices	Aerobic Plate Count Mold Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC

	Coliform Count <i>Salmonella Detection</i> <i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
12.4 Spices (ready to eat)	Aerobic Plate Count Mold Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count <i>Salmonella Detection</i> <i>S. aureus Count</i> (coagulase+)	Petrifilm™, Rapid Method/AOAC
12.5 Salad Dressing, pH ≤ 4.6 (e.g. Mayonaise, Thousand Island, Ranch, French)	Aerobic Plate Count Mold and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
13.0 Beverages		
13.1 Non-Alcoholic Beverages (e.g. ready to drink, soft drinks, iced tea, energy drinks)	Aerobic Plate Count Mold and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Petrifilm™, Rapid Method/AOAC
13.2 Frozen Juice Concentrate	Aerobic Plate Count Mold and Yeast Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
14.0 Food for Infants and Young Children		
14.1 Powdered Infant Formula with or without added Lactic Acid producing cultures (intended for 0 to 6-month-old)	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
14.2 Follow-up Formula/ Milk Supplement (intended for infants 6 months on and for young children 12-36 months age)	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
14.5 Dried and Instant Products requiring reconstitution	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC

	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
14.5 Dried Products requiring reconstitution and boiling before consumption	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
14.6 Cereal based foods for infants	Aerobic Plate Count	Pour Plate Method, BAM Online, Petrifilm™, Rapid Method/AOAC
	Coliform Count	Multiple Tube Fermentation BAM Online
	<i>Salmonella Detection</i>	Petrifilm™, Rapid Method/AOAC
II. Water		
Bottled Water	Heterotrophic Bacteria	Pour Plate Method SMEWW9215 B
	Coliform Count	Multiple Tube Fermentation SMEWW 9221 B