

2. F.A.S.T Laboratories

The First Analytical Services and Technical Cooperative (Calamba)

Address	:	Allied Concrete Building, Km. 54. Brgy. Makiling, Calamba City, Laguna
Telephone No.	:	(02)584-4577; (049)-508-7138; 0917-562-6339
Fax No.	:	N/A
E-mail	:	fastlabcalamba@gmail.com ; dsibongga.fastlaboratories@gmail.com ; ymsalilid.fastlaboratories@gmail.com
Contact Person	:	Ms. Yehlen Ma. Salilid Quality Assurance Manager Dennis P. Sibongga Laboratory Buiness Manager
Field of Testing	:	Chemical Testing and Microbiological Testing

Chemical Testing

Product	Specific Test	Method / Reference
2.26 Foods		
.01 Cereal and cereal products	Sodium (Na)	Atomic Absorption Spectrophotometry AOAC Method No. 956.01
	Calcium (Ca)	Atomic Absorption Spectrophotometry after Dry Ashing AOAC Method No. 985.31
	Iron (Fe)	Atomic Absorption Spectrophotometry after Dry Ashing AOAC Method No. 999.11
2.33 Waters		
.01 Bottled Water	Arsenic (As)	Silver Diethyldithiocarbamate Method Validated Method from FCC 15th edition
	Mercury (Hg)	Hydride Vapor Generation Technique - Atomic Absorption Spectrophotometry SMEWW 3112

	Cadmium (Cd)	Atomic Absorption Spectrophotometry SMEWW 3030 E & F, then 311B
	Copper (Cu)	
	Cobalt (Co)	
	Iron (Fe)	
	Lead (Pb)	
	Manganese (Mn)	
	Nickel (Ni)	
	Silver (Ag)	
	Zinc (Zn)	
	Chromium (Cr)	

Microbiological Testing

Product	Specific Test	Method Reference
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
	<i>Salmonella</i>	BAM Online
01.2 Sweetened Condensed Milk	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
01.4 Pasteurized Milk	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
01.5 Pasteurized Cream	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
01.6 Yogurt and other fermented milk	Coliform Count	Pour Plate Method, BAM Online
	<i>Salmonella</i>	BAM Online
01.7 Cheese and Chesse Products e.g. cottage cheese; soft and semi-soft cheese (moisture > 39%, pH >5)	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online
01.8 Processed Cheese Spread	Aerobic Plate Count	

	Coliform Count	Pour Plate Method, BAM Online
02 Fats, Oils, and Fat Emulsions		
02.1 Butter (whipped, pasteurized)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
02.2 Butter made from unpasteurized milk or milk products	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
02.3 Margarine	Aerobic Plate Count	Pour Plate Method, BAM Online
	<i>Salmonella</i>	BAM Online
03 Edible Ices including Sherbet and Sorbet		
03.1 Ice Cream & Sherbet (plain and flavored)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
03.2 Ice Cream with added ingredients (nuts, fruits, cocoa, etc.)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
03.3 Flavored Ice (e.g. ice candy)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online
04 Confectionaries		
04.1 Cocoa Powder	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online
04.2 Chocolate Products	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online

04.3 Chocolate Confectionaries (chocolate bars, blocks, bonbons)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online
04.4 Sugar Confectionaries (hard & soft candies, caramel, fondants, creams, nougats and pastes)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online
05 Fruits and Vegetables, Nuts and Seeds		
05.2 Fermented Vegetables, ready to eat (e.g. Kimchi)	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online
05.6 Peanut Butter and other Nuts Butter	<i>Salmonella</i>	BAM Online
06 Egg and Egg Products		
06.1 Pasteurized Egg Products (liquid, frozen or dried)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
07 Cereals and Cereal Products		
07.1 Breakfast Cereals	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
07.2 Cereals/Cereal Grains	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
07.5 Soya Flours, Concentrates and Isolates	Coliform Count	Pour Plate Method, BAM Online
07.6 Flour, Corn meal, Corn grits, Semolina	Coliform Count	Pour Plate Method, BAM Online
07.6 Soy Protein	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
07.8 Pasta Products and Noodles Uncooked (wet & dry)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
07.9 Starch	Aerobic Plate Count	

	Coliform Count	Pour Plate Method, BAM Online
	<i>Salmonella</i>	BAM Online
08 Bakery Products		
08.1 Frozen Bakery Products (ready to eat)with low-acid or high a _w fillings or toppings	<i>Salmonella</i>	BAM Online
08.2 Frozen Bakery Products (to be cooked)with low-acid or high a _w fillings or toppings (e.g. meat pies, pizza)	<i>Salmonella</i>	BAM Online
08.3 Frozen and Refrigerated Doughs (Chemically leavened)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
08.4 Frozen and Refrigerated Doughs	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
08.5 Baked Goods (microbiologically sensitive types e.g. containing eggs & dairy products)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
08.6 Coated and Filled, Dried Shelf-Stable Biscuits	Coliform Count	Pour Plate Method, BAM Online
	<i>Salmonella</i>	BAM Online
09 Ready to Eat Savouries		
09.1 Snack Foods	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
11.0 Fish and Fish Products		
11.1 Fresh Frozen Fish and Cold-Smoked	Aerobic Plate Count	Pour Plate Method, BAM Online
	<i>Salmonella</i>	BAM Online
11.2 Pre-Cooked Breaded Breaded Fish	Aerobic Plate Count	Pour Plate Method, BAM Online
11.4 Frozen Raw Crustaceans	Aerobic Plate Count	Pour Plate Method, BAM Online
	<i>Salmonella</i>	BAM Online

11.5 Cooked, Chilled & Frozen Crabmeat	Aerobic Plate Count	Pour Plate Method, BAM Online
11.6 Fresh and Frozen Bivalve Mollusks	Aerobic Plate Count	Pour Plate Method, BAM Online
	<i>Salmonella</i>	BAM Online
12.0 Spices, Soups, Sauces, Salad, and Protein Products		
12.1 Dry Mixes for Soup and Sauces	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
12.2 Yeast	<i>Salmonella</i>	BAM Online
12.3 Spices	Aerobic Plate Count	Pour Plate Method, BAM Online
12.4 Spices (ready to eat)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
	<i>Salmonella</i>	BAM Online
12.5 Salad Dressing, pH < 4.6 (e.g. Mayonaise, Thousand Island, Ranch, French)	Aerobic Plate Count	Pour Plate Method, BAM Online
	<i>Salmonella</i>	BAM Online
13.0 Beverages		
13.1 Non Alcoholic Beverages (e.g. ready to drink, soft drinks, iced tea, energy drinks)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
13.2 Frozen Juice Concentrate	Aerobic Plate Count	Pour Plate Method, BAM Online
13.3 Powered Beverages (e.g. iced tea, powdered juices/mixes)	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform Count	
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
	<i>Salmonella</i>	BAM Online
14.2 Follow-up Formula/ Milk Supplement	Aerobic Plate Count	Pour Plate Method, BAM Online

(intented for infants 6 months on and for young children 12-36 months age)	<i>Salmonella</i>	BAM Online
14.5 Dried and Instant Products requiring reconstitution	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online
14.5 Dried Products requiring reconstitution and boiling before consumption	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform	MPN Method, BAM Online
	<i>Salmonella</i>	BAM Online
14.6 Cereal based foods for infants	Aerobic Plate Count	Pour Plate Method, BAM Online
	Coliform	MPN Method, BAM Online
II. Water		
Bottled Water	Heterotrophic Plate Count	Method 9215B SMEWW
	Coliform Count	Method 9221 B-C SMEWW
	Faecal Coliform Count	Method 9221E SMEWW
	<i>Escherichia coli</i>	Method 9215 B SMEWW
III. Cosmetics		
Cosmetic, Perfumes and essential oils	Aerobic Plate Count	ASEAN Cosmetic Directive BAM Online
	Yeast and Mold Count	
	<i>Pseudomonas aeruginosa</i>	
	<i>Stapylococcus aureus</i>	