

Customer Specification

CUSTOMER: **C0092**
ITEM CODE: **1236-03**
QUALITY PLAN:

Colostrum Europe AB
70-30l Skim Colostrum Powder-Instantized EU
T1236-03 EU

Product Description	70-30l is an instantized, pasteurized, reduced-fat colostrum powder produced from first day milking. It is processed both at low pressures and temperatures and is spray-dried using indirect steam to maintain maximum bio-activity. The colostrum used to produce 70-30l is from antibiotic-free sources.
Product Packaging	Colostrum Powder is packaged in double-walled corrugated boxes with a polyethylene liner. The box is 20.0 in x 15.5 in x 14.5 in. Each box holds 20 kg net.
Product Shelf Life	Colostrum proteins are hygroscopic and can absorb odors. Temperatures <75°F, relative humidity <65%, and an odor-free environment will extend storage life. Stocks should be used in rotation and preferably within three years.
Product Certifications	Kosher, Halal
Ingredients	Bovine colostrum, sweet whey, milk protein concentrate, non-fat dry milk, medium-chain triglycerides, sunflower lecithin, natural flavor.
Allergens	Milk

	<u>Min</u>	<u>Max</u>	<u>UOM</u>	<u>Method</u>
CHEMISTRY				
Melamine	0.00	2.00	ppm	HPLC-WCX Method
pH	6.00	7.50		10% sol., 20°C
COMPOSITION				
Ash	3.00	10.00	%	AOAC 945.46
Fat	2.00	6.00	%	AOAC 932.06
Moisture	2.00	6.00	%	AOAC 927.05 (mod)
Protein (Dry Basis)	70.00	80.00	%	AOAC 991.20
IMMUNOGLOBULIN				
IgG (HPLC) Protein G (Dry Basis)	30.00	40.00	%	AOAC 2010.01 (mod)
MICROBIOLOGY				
Aerobic Plate Count	0.00	10,000.00	CFU/g	AOAC 990.12
Aflatoxin M1	0.00	0.05	ppb	MaxSignal Aflatoxin M1 ELISA
Bacillus cereus	0.00	50.00	CFU/g	FDA-BAM, Ch.14 (mod)
Coliform	0.00	50.00	CFU/g	AOAC 991.14
Cronobacter sakazakii (PCR)		Not Detected	100g	FDA-BAM, Ch.29 (PCR)
Escherichia coli		Not Detected	CFU/g	AOAC 991.14
Inhibitory Substances (Beta-Lactams)		Not Detected		Charm II
Listeria (PCR)		Not Detected	25g	FDA-BAM, Ch.10 (PCR)
Salmonella (PCR)		Not Detected	25g	FDA-BAM, Ch.5 (PCR)
Staphylococcus aureus		Not Detected		AOAC 2003.08
Yeast + Mold	0.00	50.00	CFU/g	AOAC 997.02
MINERAL				
Arsenic (As)	0.00	0.70	ppm	EPA 6020a
Cadmium (Cd)	0.00	0.25	ppm	EPA 6020a
Chromium (Cr)	0.00	4.00	ppm	EPA 6020a
Copper (Cu)	0.00	10.00	ppm	EPA 6020a
Lead (Pb)	0.00	0.02	ppm	EPA 6020a
Mercury (Hg)	0.00	0.10	ppm	EPA 6020a
PHYSICAL				
Appearance		Off white to cream color		Visual
Density Bulk p(B)	0.30	0.44	g/ml	USP <616>
Density Tapped p(T)	0.40	0.52	g/ml	USP <616>
Odor		Creamy		Organoleptic
Scorched Particle	B	A		GEA Niro A 4 a
Solubility		Good		Visual
Taste		Characteristic		Organoleptic