

Customer Specification

CUSTOMER: **C0092**
ITEM CODE: **1216-03**
QUALITY PLAN:

Colostrum Europe AB
60-20I Skim Colostrum Powder-Instantized EU
T1216-03

Product Description	60-20I 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 60-20I 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, milk protein concentrate, non-fat dry milk, medium-chain triglycerides, sunflower lecithin, natural flavor
Allergens	Milk

CHEMISTRY	Min	Max	UOM	Method
Melamine	0.00	2.00	ppm	HPLC-WCX Method
pH	6.00	7.50		10% sol., 20°C
COMPOSITION	Min	Max	UOM	Method
Protein (Dry Basis)	60.00	70.00	%	AOAC 991.20
Fat	2.00	6.00	%	AOAC 932.06
Ash	3.00	10.00	%	AOAC 945.46
Moisture	2.00	6.00	%	AOAC 927.05 (mod)
IMMUNOGLOBULIN	Min	Max	UOM	Method
IgG (HPLC) Protein G (Dry Basis)	20.00	28.00	%	AOAC 2010.01 (mod)
MICROBIOLOGY	Min	Max	UOM	Method
Aflatoxin M1	0.00	0.05	ppb	MaxSignal Aflatoxin M1 ELISA
Aerobic Plate Count	0.00	10,000.00	CFU/g	AOAC 990.12
Coliform	0.00	50.00	CFU/g	AOAC 991.14
Escherichia coli		Not Detected	CFU/g	AOAC 991.14
Yeast + Mold	0.00	50.00	CFU/g	AOAC 997.02
Staphylococcus aureus		Not Detected		AOAC 2003.08
Bacillus cereus	0.00	50.00	CFU/g	FDA-BAM, Ch.14 (mod)
Listeria (PCR)		Not Detected	25g	FDA-BAM, Ch.10 (PCR)
Salmonella (PCR)		Not Detected	25g	FDA-BAM, Ch.5 (PCR)
Cronobacter sakazakii (PCR)		Not Detected	100g	FDA-BAM, Ch.29 (PCR)
Inhibitory Substances (Beta-Lactams)		Not Detected		Charm II
MINERAL	Min	Max	UOM	Method
Arsenic (As)	0.00	0.70	ppm	EPA 6020a
Lead (Pb)	0.00	0.02	ppm	EPA 6020a
Mercury (Hg)	0.00	0.10	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
PHYSICAL	Min	Max	UOM	Method
Density Bulk p(B)	0.30	0.45	g/ml	USP <616>
Density Tapped p(T)	0.40	0.60	g/ml	USP <616>
Scorched Particle	B	A		GEA Niro A 4 a
Solubility		Good		Visual
Appearance	Off white to cream color			Visual
Odor		Creamy		Organoleptic
Taste		Characteristic		Organoleptic