

## SPECIFICATION

### COLOSTRUM POWDER - 40/20

40% Protein minimum, 20% Immunoglobulins minimum is a pasteurized, full fat Colostrum Powder from Colostrum only collected from only first 2 milking. Colostrum Powder 40/20 is spray dried using low heat to achieve maximum nutrition. It has shelf life of 24 months.

Suggested Application: Immunity Booster, Nutritional Supplement, Digestive Health, Protein Supplement and Infant/Kid Supplement.

**Ingredients:** Bovine Colostrum Powder

Active Component Parameter	Specification	Result	Method of Analysis
Total Immunoglobulins	NLT 20%	22.4%	HPLC
Total IgG	NLT 15%	17.6%	HPLC
Lactoferrin	NLT 1%	1.1%	HPLC
Protein	NLT 40%	42.8%	IS: 7219:1973 REF.2010
Chemical Parameters	Specification	Result	Method of Analysis
Total Fat	NLT 15%	18%	IS 11721:2013
Trans Fat	NMT 1%	0.36%	AOAC 996.06
Saturated Fat	NMT 12%	10.28%	AOAC 996.06
Calorie	NMT 15 kcal/g	8 kcal/g	FAO PAPER 77 2003
Dietary Fiber	NMT 1%	Absent	AOAC 991.43 18 <sup>TH</sup> EDITION
Moisture	NMT 2%	1.3%	IS 11623:1986 REAFFIRMED 199
Ph	6.0 – 7.0	6.5	BY pH METER
Total Ash	NMT 05%	4.6%	IS 14433 PART (1): 1997
Total Solids	NLT 98%	98.5%	Manual
Microbiological Parameter	Specification	Result	Method of Analysis
Total Platelet Count	NMT 10,000 CFU/gm	3860	IS 5402-1: 2021
Yeast & Mould Count	NMT 50 CFU/gm	Absent	IS 5403: 1999, RA 2018
E. Coli	Absent	Absent	IS 5887 (Part 1): 1976 RA 2018
Salmonella	Absent	Absent	EL/SOP/MB/02
Coliform	Absent	Absent	IS 5401 (Part 1): 2012 RA 2018
Staphylococcus aureus	Absent	Absent	AOAC 2003.08 18 <sup>TH</sup> EDITION
B cereus	Absent	Absent	ISO 7932:2004/AMD 1:2020
Listeria monocytogenes	Absent	Absent	ISO 11290-1:2017
Enterobacteriaceae	Absent	Absent	ISO 21528-2:2017
Cronobacter sakazakki	Absent	Absent	ISO 22964: 2017
Contaminants	Specification	Result	Method of Analysis
Nitrate	NMT 50 ppm	Absent	AOAC 976.14
Dioxins	NMT 3 pg/g	Absent	AOAC 968.23
Melamine	NMT 2 ppm	Absent	ELISA METHOD
Aflatoxin M1	NMT 0.5 µg/kg	0.35	AOAC 974.17

Heavy Metals	Specification	Result	Method of Analysis
Arsenic	NMT 0.5 ppm	Absent	AOAC 999.10
Lead	NMT 0.05 ppm	Absent	AOAC 999.10
Mercury	NMT 0.10 ppm	Absent	AOAC 2015.01
Cadmium	NMT 0.05 ppm	Absent	AOAC 999.10
Chromium	NMT 4 ppm	Absent	AOAC 999.10
Copper	NMT 10 ppm	Absent	AOAC 999.10
Physical Parameters	Specification	Result	Method of Analysis
Appearance	Yellowish Milky Powder	Pass	Visual
Odor	Characteristic	Pass	Sensory Evaluation
Taste	Characteristic	Pass	Sensory Evaluation
Solubility	80% Soluble	Pass	GEA Niro Method No. A 3 a
Bulk Density	NLT 0.30	0.32 g/ml	Manual
Tapped Density	NLT 0.35	0.38 g/ml	Manual
Minerals Analysis	Specification	Result	Method of Analysis
Calcium	NLT 0.5%	0.8%	AOAC 944.03 19 <sup>TH</sup> EDITION
Magnesium	NLT 0.1%	0.2%	AOAC 937.02
Zinc	NLT 3 ppm	18 ppm	AOAC 999.10
Sodium	NLT 0.2%	0.3%	AOAC 966.16 19 <sup>TH</sup> EDITION
Potassium	NLT 0.1%	0.1%	AOAC 965.30
Iron	NLT 2 ppm	3.5 ppm	AOAC 999.10

- **Packaging:** 5 kg SUP Stand-up Pouch and Outer packaging is 7 ply corrugated box. Each box holds 25 kg.
- **Storage:** Store at room temperature.
- **Allergens:** Contains milk proteins
- Tested Annually for above all test parameters



Authorized Signature/QC