

Whole Colostrum Powder Standard

Product Definition

Whole Colostrum Powder is obtained by the drying of colostrum that comes from cows within 48 hours after giving birth. It contains fat (>17.5%), proteins, carbohydrates, vitamins and minerals. Whole Colostrum Powder for human consumption complies with all provisions of the U.S. Federal Food, Drug and Cosmetic Act.

Composition

Classifications	Protein	Carbohydrates	Fat	Ash	Moisture
Whole Colostrum Powder	Min. 40% 40.0% – 62.5% Typical: 50.5%	Max. 35.0% Typical: 17.5%	Min. 17.5% 17.5% – 30.0% Typical: 22.0%	Typical: 6.0%	Max. 6.0% Typical: 4.5%

Other Characteristics

Scorched Particle Content	≤ 15.0 mg
pH (10% solution @ 20° C)	6.0 – 7.0
IgG	12.5% - 25.0%

Microbiological Analysis

Standard Plate Count	≤ 30,000 cfu/g
Coliform	≤ 10 cfu/g
Salmonella	Negative
Listeria	Negative
Coagulase positive Staphylococci	< 10cfu/g
Yeast & Mold	≤ 100 cfu/g

Methods of Analysis

Criteria	Reference Method
Protein	AOAC 991.20 (N x 6.38)
Carbohydrates	By Difference
Fat	AOAC 989.05
Ash	AOAC 942.05
Total Moisture	AOAC 925.45

Product Labeling

“Whole Colostrum Powder”

Product Applications and Functionality

Beverages and beverage bases, dairy product analogs, milk, milk products, nutrition bars and snacks

Storage & Shipping

Product should be stored and shipped in a cool, dry environment with temperatures below 80°F and relative humidities below 65%. Stocks should be rotated and utilized within 2 - 3 yr.

Packaging

Multiwall kraft bags with polyethylene inner liner or other suitable closed container – i.e., “tote bins,” etc.