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TECHNICAL INFORMATION

Catalog Number: 102896, 902896

Casein sodium salt

CAS # : 9005-46-3

Synonym: Sodium Caseinate

Physical Description: White to off white powder

Typical Analysis:

Protein (N x 6.38, Dry Basis)	92 - 96%
Moisture	5.0%
Fat	1.5%
Lactose	0.2%
Ash	4.0%
pH (10% Solution)	6.0 7.0
Bacterial Plate Count	Less than 10,000 per gram
Thermophilic Bacteria	Less than 2,000 per gram
Coliform Organisms	Negative
Salmonella	Negative

Typical Elemental Analysis:

Calcium	0.5%
Phosphorous	0.14%
Magnesium	< 0.0050%
Potassium	< 0.0500%
Sodium	1.2 - 1.3%
Zinc	1 - 5 ppm (too low to reliably detect)

Typical Amino Acid Analysis:

Isoleucine	5.9 g/100 g
Leucine	9.0 g/100 g
Lysine	7.3 g/100 g
Phenylalanine	5.2 g/100 g
Threonine	4.0 g/100 g
Tryptophan	1.3 g/100 g
Valine	6.9 g/100 g
Methionine	2.9 g/100 g
Cystine	0.36 g/100 g
Alanine	2.8 g/100 g
Arginine	3.7 g/100 g
Aspartic Acid	5.8 g/100 g
Glutamic Acid	21.1 g/100 g
Glycine	1.9 g/100 g
Histidine	2.7 g/100 g
Proline	11.0 g/100 g
Serine	5.6 g/100 g
Tyrosine	5.6 g/100 g

Solubility: Soluble in 1% aq solution (cloudy)