Lactoferrin

Bovine lactoferrin (iron-binding glycoprotein) · CAS 112163-33-4 · Bovine lactoferrin, spray-dried

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Bovine lactoferrin, spray-dried	Bovine lactoferrin (iron-binding glycoprotein)	112163-33-4	≥95.0%
METHOD	MINIMUM ORDER	LEAD TIME	STANDARD PACK
HPLC and iron saturation	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Bovine lactoferrin specified at ≥95% protein and 9–20% iron saturation, for capsules and powder blends where the protein, the iron saturation and the milk source have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Protein	≥95.0%	As stated
Iron saturation	9.0–20.0%	As stated
Appearance	Pinkish-white to light tan powder	As stated
Identification	HPLC and ELISA conform	As stated
Moisture	≤5.0%	As stated
Ash	≤1.5%	As stated
pH (5% solution)	5.5–7.0	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Particle size	≥95% through 80 mesh	As stated
Marker set	Protein ≥95%; iron saturation 9–20%	Identity
Solubility	Soluble in water; the solution is clear to slightly hazy and pale pink.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- Spray-dried powder, 80 mesh
- Low-iron grade on request

- Granulated on request

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

Catalog document. This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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