

LIPOSOMAL CERAMIDES

CODE: CERB-3

Date of last amendment: 11.06.2025

INCI name: WATER (AQUA) (AND) SPHINGOLIPIDS (AND) PHOSPHOLIPIDS (AND) CHOLESTEROL (AND) PHENOXYETHANOL (AND) CAPRYLYL GLYCOL.

CHARACTERISTICS: Liposomal ceramides of Argentine bovine origin***, which encapsulate water.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water (Aqua)	96,500	7732-18-5
Sphingolipids (and) cholesterol (and) phospholipids (Argentine Bovine brain extract)*	2,000	85116-74-1 / 57-88-5 / 123465-35-0
Conservantes:		
Phenoxyethanol	0,900	122-99-6
Caprylyl Glycol	0,200	1117-86-8

(*) Composición aproximada del polvo de ceramidas, **TLC:** {(Alugram Sil GV /254)

Running solvent: chloroform/methanol/water (70:20:3)

Detection: Sulfuric acids spray 50% in methanol, heat at 130° C.

Quantification: Densitometry with area Integration.}

glyco-ceramides: (cerebrosides, sphingomieline, sulfatides and gangliosides)**

32%

Total phospholipids: (phosphatidyl-choline, phosphatidyl-serine, phosphatidyl-ethanolamine)

31%

cholesterol:

22%

others:

15%

** Cerebrosides: D-galactose or D-glucose bound to a Ceramide.

Sulfatide: Cerebroside-sulfate.

Ganglioside: Sialic Acid and Derivatives bound to a Ceramide

Sphingomielines: Phosphoryl-ethanolamine and Phosphoryl-choline bound to a Ceramide

Color:	Slightly yellowish to light orange
Appearance:	Semi-translucent to opalescent viscous fluid. Absence of foreign matter
Odor:	Mild, characteristic
Manufacturing method:	Microfluidization
Particle Size:	100 - 300 nm (Dynamic Laser Scattering)
Net charge:	Slightly negative (Zeta Potential)
pH:	6,00 to 7,50 (USP XXVII) (a 25°C)
Density	0,950 - 1,050 (USP XXVII) (picnometría) (a 20°C)
Dry residue:	2,00 gr.% min. (0.5 gr. 1 hour 110° C)
Microbiological control:	Mesophilic bacteria: less than 200 CFU/gr. Moulds & yeast: less than 20 CFU/gr. No pathogens.

Keep refrigerated (5-15°C / 40-60°F). Do not freeze. Protect from light. Shake before use.

COSMETIC USE