

CERAMIDES DISPERSION

CODE: CERB-2

Date of last amendment: 11.06.2025

INCI name: WATER (AQUA) (AND) SPHINGOLIPIDS, PHOSPHOLIPIDS, CHOLESTEROL (from Argentine bovine brain***) (AND) PHOSPHOLIPIDS (from soybean lecithin) (AND) PHENOXYETHANOL (AND) CAPRYLYL GLYCOL.

CHARACTERISTICS: Dispersion in aqueous medium of sphingolipids + glyco-sphingolipids + phospholipids + cholesterol from Argentine bovine brain extract*** stabilized by purified phospholipids from soy lecithin.

COMPOSITION (INCI NAME)	% (weight)
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Water (Aqua) (CAS # 7732-18-5)	96,900
Sphingolipids (CAS # 85116-74-1) (and) phospholipids (CAS # 123465-35-0) (and) cholesterol (CAS # 57-88-5). (Argentine Bovine brain extract Powder)*	1,200
Phospholipids (from soy bean lecithin) (CAS # 123465-35-0)	0,800
Conservantes:	
- Phenoxyethanol (CAS # 122-99-6)	0,900
- Caprylyl glycol (CAS # 1117-86-8)	0,200

(*) 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: 32%

(cerebrosides, sphingomieline, sulfatides and gangliosides)**

Total phospholipids: 31%

(phosphatidyl-choline, phosphatidyl-serine, phosphatidyl-ethanolamine)

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:	White to light yellow
Appearance:	Semi-translucent to opalescent viscous fluid. Absence of foreign matter
Odor:	Mild, characteristic
Manufacturing method:	Microfluidization
Particle Size:	100 - 500 nm (Dynamic Laser Scattering)
Net charge:	Slightly negative (Zeta Potential)
pH:	6,00 to 7,50 (USP XXVII) (a 25°C)
Density	0,980 - 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