

## TECHNICAL DATA SHEET

Trade Name:	Emollant ECT		
INCI:	Ectoin		
Cas. No:	96702-03-3		
EINECS:	431-910-1	Article No:	291010

ITEM	STANDARD
Appearance	White powder
Identification	Conform to standard spectrum
Assay	≥98.0%
pH (2%)	6.0~8.0
Transmittance (2%, A550nm)	≥98.0%
Loss on drying	≤1.0%
Sulphated Ash	≤0.2%
Specific Rotation	+139° ~ +145°
Chloride	≤0.05%
Heavy metals	<20ppm
Ar	≤2 ppm
Pb	≤10 ppm
Hg	≤1 ppm
Cd	≤5 ppm

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### MICROBIOLOGICAL ASSAY

Total Plate count	≤100 cfu/g
Mold and Yeast	≤50cfu/g
E.coli	Negative
P. Aeruginosa	Negative
S. Aureus	Negative

### Product Description:

Emollant ECT is a naturally occurring compound produced by extremophilic microorganisms, recognized for its ability to protect cells and maintain hydration. In skincare, Emollant ECT is utilized to protect the skin against environmental aggressors, soothe irritation, and support long-lasting hydration. Its unique capacity to attract and hold water enables the formation of a protective "hydro-complex" around skin cells, preserving their structure and resilience.

### Application:

Ectoin is a versatile ingredient used in a wide range of skincare and hair care formulations. It supports skin hydration, reinforces the skin's natural barrier, and offers protection against environmental factors such as UV rays and pollution. In addition, Ectoin is valued for its soothing, anti-inflammatory properties and its role in reducing signs of aging.

### Storage:

Keep away from light and moisture. It should be stored in cool and dry place at room temperature.

### Dosage:

2.0%-7.0%

### Shelf time:

3 years from manufacturing date