

PRODUCT DATA SHEET

Trade Name: ActiBiso™ ECT

INCI Name: Ectoin

CAS: 96702-03-3

Description

ActiBiso-ECT(Ectoin) is also known as "salt tolerant bacteria extract", which comes from Halomonas Elongata. Under the extreme conditions of high salt, high temperature and high ultraviolet radiation, it can protect halophilic bacteria from harm. Because of its good repair and moisturizing effect on the skin, ectoin is one of the bioengineering agents used in high-grade cosmetics.

Quality Parameters

Appearance	White or almost white crystals
Assay (HPLC) %	98.0 min
Identification	The infrared absorption spectrum should be consistent with the standard spectrum
Specific Rotation	+139.0°~ +145.0°
Transmittance %	The transmittance at 430nm shall not be less than 98.0%
pH	6.0 - 8.0
Loss on drying %	0.2 max
Residue on ignition %	0.1 max
Chloride %	0.03 max
Sulfate %	0.02 max
Ammonium salt %	0.02 max
Fe (ppm)	10 max
Heavy metals (ppm)	10.0 max
Arsenic (ppm)	1 max



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Total bacteria (cfu/g)

500 max

Total yeast and mold count (cfu/g)

100 max

Storing

Store in a dry and cool place, sealed and valid for 2 years.

Package

1kg/ aluminum foil bag, 10kg/ carton