

Updated: 25-Aug-2026

Certificate of Analysis**(Representative Sample Certificate)**

Product Name: Ectoin
INCI Name: Ectoin
CAS Number: 96702-03-3
Lot Number: Not available (data may vary slightly with different lots or batches)
Standard Shelf Life: 36 Months from production date

Property	Specifications	Analysis
Appearance (Method: Visual)	White or almost white crystal or powder	Conforms
Identification (IR) (Method: Internal)	Concordant with the reference spectrum	Conforms
Assay (Method: HPLC)	≥ 98%	99.79%
pH (2% Solution) (Method: Internal)	6.0 ~ 8.0	6.80
Specific Rotation (Method: Internal)	+139 ~ +145 ° F	+139.4 ° F
Transmittance of Solution (Method: Internal)	≥98.0%	99.8%
Chlorides (Method: Internal)	≤0.03%	<0.03%
Sulfates (Method: Internal)	≤0.02%	<0.02%
Ammonium (Method: Internal)	≤0.02%	<0.02%
Loss on Drying (Method: Internal)	≤0.2%	0.19%
Residue on Ignition (Method: Internal)	≤0.1%	<0.5%
Iron (Method: Internal)	≤0.001%	<0.001%
Heavy Metals (Method: Internal)	≤10 ppm	<10 ppm
As (Method: Internal)	≤1 ppm	<1 ppm

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.

Total Plate Count (Method: Internal)	≤100 CFU/g	<100 CFU/g
Mold and Yeast (Method: Internal)	≤50 CFU/g	<50 CFU/g
Staphylococcus Aureus (Method: Internal)	Negative/g	Complies
Pseudomonas Aeruginosa (Method: Internal)	Negative/g	Complies
Escherichia Coli (Method: Internal)	Negative/g	Complies
Candida Albicans (Method: Internal)	Negative/g	Complies
Salmonella (Method: Internal)	Negative 10g	Complies

The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed. All data are as per our supplier.

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