

CERTIFICATE OF ANALYSIS

Product Name	Ectoine	Batch Number	23112201
INCI Name	Ectoine	Grade	Cosmetic Grade
	Manufacturing Date Nov.22,2023	Expiry Date	Nov.21,2025
TEST ITEMS	STANDARD		RESULT
Appearance	White Powder		White powder
Purity(HPLC)	≥98%		99.50%
Specific Rotation	+139°~ +145°		+140°
pH Value	5.0~8.0		5.2
Loss on Drying	≤1.0%		0.03%
Sulphated Ash	≤0.2%		0.06%
Chloride	≤0.05%		<0.05%
Heavy Metals(As Pb)	≤10 ppm		<10 ppm
Arsenic	≤2 ppm		<2 ppm
Total bacterial counts	≤1,000 cfu/g		<100 cfu/g
Staphylococcus	Negative		Negative
E.Coli	Negative		Negative
Salmonella	Negative		Negative
Staphylococcus	Negative		Negative
Conclusion:	This batch product conform to the requirements of Cosmetic Grade.		
Analyzer	Chen Yan	Re-Checker	Kong Chen