

CERTIFICATE OF ANALYSIS

PRODUCTS: BETA-ALANINE
TESTING DATE: AUG.28,2017
BATCH NO: AA0517082801
MANUFACTURE DATE: AUG.28,2017
QUANTITY: 1000KG
EXPIRY DATE: AUG.27,2019

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White crystals or crystalline powder	Conforms
Melting point	197 - 202°C	197.3 -197.5°C
State of solution	≥95.0%	98.5%
Chloride(Cl)	≤0.04%	<0.04%
Ammonium(NH ₄)	≤0.02%	<0.02%
Sulfate(SO ₄)	≤0.048%	<0.048%
Iron(Fe)	≤30ppm	<30ppm
Heavy metals(as Pb)	≤10ppm	<10ppm
Lead	≤3ppm	Complies
Arsenic	≤2ppm	Complies
Mercury	≤0.1ppm	Complies
Cadmium	≤1ppm	Complies
Other amino acids	Chromatographically not detectable	Conforms
Loss on drying	≤0.3%	0.09%
Residue on ignition	≤0.2%	0.08%
Assay	98.0%~101.0%	99.1%
pH	6.5~7.5	6.94
Total plate count	≤1000cfu/g	<10cfu/g
Yeast & molds	≤100cfu/g	<10cfu/g
E.Coli	Negative/g	Negative/g
Salmonella	Negative/25g	Negative/25g

CONCLUSION: Conform to the specification.

STORAGE: Store in cool and dry place.

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