



上海贺普实业有限公司

ShangHai HOPE Industry Co.,Ltd.

CERTIFICATE OF ANALYSIS

PRODUCT: BETA ALANINE POWDER
BATCH NO.: 20110518
MFG. DATE: -----
EXPIRY DATE: -----

TEST	INDEX OF QUALITY	RESULT
Description	White crystals or crystalline powder	Complies
Melting Point	196°C to 202°C	198°C to 200°C
State of solution(Transmittance)	Colorless and clear $\geq 95.0\%$	98.2%
Chloride(Cl)	$\leq 0.02\%$	0.011%
Ammonium(NH ₄)	$\leq 0.01\%$	0.007%
Sulfate(SO ₄)	$\leq 0.02\%$	0.013%
Heavy metal(As Pb)	$\leq 10\text{PPM}$	5ppm
Arsenic(As ₂ O ₃)	$\leq 1\text{PPM}$	<1ppm
Lead	$\leq 3\text{PPM}$	<3ppm
Cadmium	$\leq 1\text{PPM}$	<1ppm
Mercury	$\leq 0.1\text{PPM}$	<0.1ppm
Other amino acid	Chromatographically not detectable	Complies
Loss on drying	$\leq 0.20\%$	0.12%
Residue on ignition	$\leq 0.10\%$	0.07%
Assay	98.5~100.5%	99.5%
Iron(Fe)	$\leq 10\text{PPM}$	5ppm
Description	White crystals or crystalline powder	Complies
Melting Point	196°C to 202°C	198°C to 200°C
State of solution(Transmittance)	Colorless and clear $\geq 95.0\%$	98.2%
Chloride(Cl)	$\leq 0.02\%$	0.011%
Standard	Meets USP24 Standards	

Inspector: LU XIAO

Approved:CHENYAN