



无锡金海岸生物科技有限公司

WUXI JIN-HIGHER BIOTECH CO.,LTD

金海岸 214199 GANGXIA WUXI CHINA TEL:86-13961735501 FAX:86-510-88351375

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-LEUCINE

CAS NO:61-90-5

BATCH NO: LC *****

SHELF LIFE: 2YEARS

PRODUCTION DATE:

REPORT DATE:

STANDARD: EP6

QUANTITY:1000KGS

Tests	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Identification (IR)	Concordant with the reference spectrum	Conforms
Assay	98.5%~101.0%	99.6%
Specific rotation $[\alpha]_D^{20}$	+14.5°~+16.5°	+15.32°
State of solution (Transmittance T_{430})	clear & colorless $\geq 98.0\%$	clear & colorless 99.5%
Chloride(Cl)	$\leq 200\text{ppm}$	<200ppm
Ammonium(NH ₄)	$\leq 200\text{ppm}$	<200ppm
Sulfate(SO ₄)	$\leq 300\text{ppm}$	<300ppm
Iron(Fe)	$\leq 10\text{ppm}$	<10ppm
Heavy metals(Pb)	$\leq 10\text{ppm}$	<10ppm
Arsenic(As)	$\leq 1\text{ppm}$	<1ppm
Lead	$\leq 3\text{ppm}$	<3ppm
Cadmium	$\leq 1\text{ppm}$	<1ppm
Mercury	$\leq 0.1\text{ppm}$	<0.1ppm
Other amino acids	$\leq 0.5\%$	Conforms
Loss on drying	$\leq 0.50\%$	0.09%
Residue on ignition	$\leq 0.10\%$	0.04%
Total plate count	$\leq 1000\text{cfu/g}$	Conforms
Yeast and Moulds	$\leq 100\text{cfu/g}$	Conforms
E.Coli	Absent	Not-detected
Salmonella	Absent	Not-detected
Conclusion: Passed test according to the Standard of EP6.		

Inspector:Guoqin Zou

Checker: Fengzhu Xu

Director:Deming Cao

