

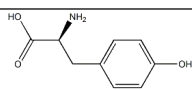


杭州泽尔瑞化学有限公司

HANGZHOU ZEERRUI CHEMICAL CO., LTD

Certificate of Analysis

COA No:ZER11912191

Product Name	L-Tyrosine
CAS No	60-18-4
Molecular Formula	
Molecular Weight	181.19
Batch No	20200113
Manufacturing date	2020.01.13
Retest date	2023.01.12

Index Name	Specification	Result
Appearance	White crystals or crystalline powder	White crystalline powder
Identification	As AJI	Conforms
Assay	99.0%~100.5%	99.9%
PH value	5.0~6.5	6.17
Specific rotation[α] _D ²⁰	-11.3° ~ -12.1°	-11.7°
Transmittance	≥95.0%	96.1%
Cl	≤0.02%	<0.02%
NH ₄	≤0.02%	<0.02%
SO ₄	≤0.02%	<0.02%
Iron	≤10ppm	<10ppm
Lead	<3ppm	<3ppm
Cadmium	<1ppm	<1ppm
Mercury	<0.1ppm	<0.1ppm
Heavy metal(as Pb)	≤10ppm	<10ppm
Arsenic	≤1ppm	<1ppm
Other amino acids	Not detectable	Conforms
Loss on drying	≤0.20%	0.09%
Residue on ignition	≤0.10%	0.05%
Total plate count	≤1000cfu/g	<1000cfu/g
Yeast&Mould	≤100cfu/g	<100cfu/g
Coliforms	In 25g n.d.	Conforms
Salmonella	In 25g n.d.	Conforms
Staphylococcus aureus	In 25g n.d.	Conforms
Escherichia coli	Negative	Conforms
Conclusion	Conforms to the standard of Q/371726SDYC01001-2019	

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CHIEF:

CHECK:



INSPECTION:

