

HEBEI HUAYANG BIOLOGICAL TECHNOLOGY CO.,LTD

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CERTIFICATE OF ANALYSIS

Product Name: Glycine	Quantity: 15000kgs	Batch No: 2112260303
Producing date: 2021.03.02	Sampling date: 2021.03.02	Send out date: 2021.03.03
Expiry date: 2024.03.01	Solvent: Purified water	Package: 25kgs/bag
Reference standard: EP5/USP31		
Item	Specifications	Results
Appearance	White crystalline powder	White crystalline powder
Identification	Infrared Absorption	Conform
Appearance of solution	Clear and colorless	Conform
Assay (C ₂ H ₅ NO ₂), %	98.5~101.5	99.5
Ph value (5% in water)	5.9~6.4	6.1
Heavy metals (as Pb), %	≤0.001	<0.001
Lead (as Pb), mg/kg	≤ 3	Complies
Chloride(as Cl), %	≤0.007	<0.007
Loss on drying, %	≤0.2	0.10
Sulphate (as SO ₄), %	≤0.0065	<0.0065
Arsenic (As) mg/kg	≤1	Complies
Mercury (Hg) mg/kg	≤0.1	Complies
Cadmium (Cd) mg/kg	≤1	Complies
Hydrolyzable substances	Meets the requirements	Complies
Residue on ignition, %	≤0.1	0.04
Organic volatile impurities	Meets the requirements	Meets the requirements
Total Plate Count, cfu/g	≤1000	< 1000
Mould, cfu/g	≤100	< 100
Yeast, cfu/g	≤100	< 100
E-Coil, cfu/10g	Absence	no detd.
Salmonella, cfu/g	Absence	no detd.
Ninhydrin-positive substances	Meets the requirements	Complies
Conclusion: This product conforms to requirements of EP5/USP31 standard.		

Operators: Jia Jingtian

Checker: Duan Lan

