

HEBEI HUAYANG BIOLOGICAL TECHNOLOGY CO.,LTD

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CERTIFICATE OF ANALYSIS

Product Name: Glycine	Quantity: 20000kgs	Batch No: 1812260561
Producing date: 2018.05.26	Sampling date: 2018.05.26	Send out date: 2018.05.27
Reference standard: USP39/ FCC10/BP2016/EP8.8/E640	Expiry date: 2020.05.25	Package: 25kgs/bag
Item	Specifications	Results
Appearance	White crystalline powder	White crystalline powder
Identification	Infrared Absorption	Conform
Identification tests B,C	Meets the requirements	Meets the requirements
Appearance of solution	Clear	Conform
Assay (C ₂ H ₅ NO ₂), %	98.5~101.5	99.5
PH Value	5.9~6.4	6.2
Heavy metals (as Pb),PPM	≤10	<10
Chloride(as Cl), %	≤0.007	<0.007
Loss on drying, %	≤0.2(105℃ for 3 hour) ≤0.5(105℃ for 2 hour)	0.10
Sulphate (as SO ₄), %	≤0.0065	<0.0065
Arsenic (As)	< 1 ppm max	Meets the requirements
Iron (as Fe), %	≤0.001	<0.001
Hydrolyzable substances	Meets the requirements	Meets the requirements
Residue on ignition (Sulfated ash), %	≤0.1	0.03
Organic volatile substances	Meets the requirements	Meets the requirements
Ninhydrin -positive substances	Meets the requirements	Meets the requirements

Lead (Pb)	< 3 ppm max	Meets the requirements
Cadmium (Cd)	< 1 ppm max	Meets the requirements
Mercury (Hg)	< 0.1 ppm max	Meets the requirements
Related substance	Meets the requirements	Meets the requirements
Ammonium(NH4),%	≤0.02	<0.02
Conclusion: This product conforms to requirements of USP39/FCC10/BP2016/EP8.8/E640 standard.		

Operators: Jia Jingtian

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Checker: Duan Lan



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