



JHD CORP

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Office&Warehouse(USA): 35 E Park Dr, Westampton, NJ, 08060

Office(China): Room 1307, Shenglang International, Xi'an, Shaanxi

Manufacturer(China): Hongda Industrial District, Xianyang, Shaanxi

Office&Warehouse(Netherlands): Piet Stuurmanweg 7, 2742 JX Waddinxveen

Certificate of Analysis

Glycine 98.5~101.5% Titrimetry

Batch No.	20260105	Manufacturing Date	January 5, 2026
Batch Quantity	20,010KG	Expiration Date	January 4, 2029
Appearance	White Crystal	Country of Origin	China
CAS No.	56-40-6	Molecular Formula	C ₂ H ₅ NO ₂
Executive Standard	USP43	GMO Status	Non-GMO
Items	Specification	Result	Method
Glycine (as C ₂ H ₅ NO ₂)	98.5~101.5% (on the dried basis)	99.55%	Titrimetry USP<541>
	1. Monochloroacetic acid: As per ICH	Conform	USP43
	2. Diglycine: NMT 0.1%	Not Detected	USP43
	3. Triglycine: NMT 0.1%	Not Detected	USP43
Related Compounds	4. Glycine anhydride: NMT 0.1%	Not Detected	USP43
	5. Iminodiacetic acid: NMT 0.1%	Not Detected	USP43
	6. Hexamethylenetetramine: NMT 0.1%	Not Detected	USP43
	7. Total Impurities: NMT 1.0%	Conform	USP43
Identification	Corresponds to standard	Conform	USP43
Physical Characteristics			
Clarity	Clear	Clear	Organoleptic
Loss on Drying	NMT 0.20%	≤0.08%	USP <731>
Residue on Ignition	NMT 0.10%	0.044%	USP <561>
Bulk Density	Report Only	0.868g/ml	USP <616> Method I
Tapped Density	Report Only	1.1g/ml	USP <616> Method I
Mesh Size	20 to 80 Mesh	Conform	Analytical sieving USP <786>
Chemical Characteristics			
Chloride (as Cl ⁻)	NMT 70ppm	17ppm	USP <221>
Sulfate (as SO ₄ ²⁻)	NMT 0.0065%	<0.0065%	USP <221>
Hydrolysable Substances	As per USP 43	Conform	USP43
Residual Chloroform	NMT 60ppm	Not Detected	GC USP <467>
Residual 1,4- Dioxane	NMT 380ppm	Not Detected	GC USP <467>
Residual Methylene Chloride	NMT 600ppm	Not Detected	GC USP <467>
Residual Trichloroethylene	NMT 80ppm	Not Detected	GC USP <467>
Heavy Metals (as Pb)	NMT 20ppm	<20ppm	USP <231> Method II
Arsenic (As)	NMT 0.1ppm	<0.05ppm	ICP-MS
Lead (Pb)	NMT 0.1ppm	<0.05ppm	ICP-MS
Cadmium(Cd)	NMT 0.1ppm	<0.05ppm	ICP-MS
Mercury(Hg)	NMT 0.1ppm	<0.10ppm	ICP-MS
Microbiological Characteristics			
Total Plate Count	NMT 5,000cfu/g	<100cfu/g	USP<2021>
Yeast& Mould	NMT 500cfu/g	<10cfu/g	USP<2021>
Coliforms	NMT 10MPN/g	<10MPN/g	USP<2021>
E.Coli	Not Detected in(g) 10	Not Detected	USP<2022>
Salmonella	Not Detected in(g) 25	Not Detected	USP<2022>
Staphylococcus Aureus	Not Detected in(g) 10	Not Detected	USP<2022>

Packing and Storage Net Weight 25 Kg per Bag.
Keep in sealed container and under 25°C. Keep away from direct sunlight and moisture.

Tested by: Tracy Cui

Date: January 14, 2026

Approved by: Jack Jia

Date: January 14, 2026

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