

## D-Glucosamine Sulfate 2KCl USP Powder

### Product Characteristics

Appearance	White crystalline powder
Country of origin	China

Profile	Method	Specification
Assay	USP	98.0 – 102.0%
Identification	USP	Meets USP
Transm	USP	≥ 90.0% (10% water solution-450nm)
Specific rotation	USP	+47.0 - +53.0°
pH	USP	3.0 – 5.0
Loss on drying	USP	≤ 1.0%
Residue on ignition	USP	26.5 – 31.0%
Chloride	USP	11.3 – 12.3%
Sulfate	USP	15.5 – 16.5%
Sodium	USP	Not impart pronounced yellow color to nonluminous flame
Heavy metals	USP	≤ 10 ppm
Iron	USP	≤ 10 ppm
Lead	AA	≤ 0.5 ppm
Arsenic	AA	≤ 1.0 ppm
Mercury	AA	≤ 0.1 ppm
Cadmium	AA	≤ 0.5 ppm
Organic volatile impurities	USP	Meets USP
Particle analysis	USP	≥ 98% through 40 mesh
Total aerobic plate count	USP	≤ 1000 CFU/g
Yeast and mold	USP	≤ 100 CFU/g
E Coli	USP	Negative in 1g
Salmonella	USP	Negative in 1g
S Aureus	USP	Negative in 10g
Enterobacteria & other gram neg	USP	≤ 100 CFU/g

### Storage

Store in tight containers, protected from light, moisture and heat.

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