

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Glucosamine Sulfate 2KCL (DC Grade)
<b>Specification</b>	DC95
<b>Batch Number</b>	20240530
<b>Production Date</b>	2024-05-30
<b>Expiry Date</b>	2027-05-29

### Physical & Chemical Characteristics

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	White crystalline free flowing powder	Complies
Assay	NLT 95.0%	95.65%
PVP K30	NMT 5%	4.62%
pH	3.5–5.5	4.25
Specific rotation (25 mg/mL)	45°–55°	48.1°
Loss on drying (105°C, 2 h)	NMT 2.0%	0.70%
Residue on ignition	25%–28%	27.5%
Bulk Density	NLT 0.5 g/mL	0.61 g/mL
Particle size	100% through 20 mesh	Complies

### Heavy Metals

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Arsenic (As)	NMT 0.5 ppm	Complies
Lead (Pb)	NMT 0.5 ppm	Complies
Mercury (Hg)	NMT 0.1 ppm	Complies
Heavy metals (total)	NMT 10 ppm	Complies

**Microbiological Tests**

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Total aerobic count	NMT 1,000 cfu/g	Complies
Yeasts & molds	NMT 100 cfu/g	Complies
Salmonella	Negative	Complies
E. coli	Negative	Complies

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