



Technical Data Sheet

Product: Glucosamine sulfate 2KCL (Feed grade)

Product Name: MSM	Specification valid from: 1st Jan. 2022	Shelf life/Retest period: 2 years
Prepared by: Zhao Na	Verified by: Huiping Song	Authorized by: Zhenyang Wang
General Parameters		
Composition	98.0%-102.0% of Glucosamine sulfate 2KCL	
Country of Origin	China	
Packing	25kg/drum	
Sample Labelling:	D-GLUCOSAMINE SULFATE 2KCL NET WEIGHT: 25KGS GROSS WEIGHT: 27.5KGS BATCH NO.: 202201001 MFG DATE: JAN., 2022 EXP DATE: JAN., 2023 MADE IN CHINA.	
Storage	Keep container tightly closed in a dry and well-ventilated place.	

Specification		
Test items	Specifications	Method
Appearance	White crystalline powder	Visual
Assay	98.0%~102.0%	USP43
Content of potassium	12.6-13.1%	ICP-OES
Identification	A: Infrared absorption B: Chloride test, Potassium test. C: Retention time D: Sulfate	USP43 <197K> USP43 <191> HPLC
Specific rotation	Between +47.0° and +53.0°	USP43 <781S>
PH	Between 3.0 and 5.0	USP43 <791>
Loss on drying	≤1.0%	USP43 <731>
Residue on ignition	Between 26.5% and 31.0%	USP43<281>
Heavy metals	≤0.001%	USP36<231> Method II
Arsenic	≤3μg / g	USP43



Sodium	Meet the requirements	USP43
Content of sulfate	Between 15.5% and 16.5%	USP43
Total bacterial count	NMT 1000cfu/g	USP
Total combined molds and yeasts count	NMT 100cfu/g	USP
Salmonella species and Escherichia coli	Negative	USP

Declaration of Compliance:

We, SINOCHEM HEALTH COMPANY LTD., statements on the quality and regulatory status of this product, hereby certify regarding the following,

1. Laboratory Quality Control System

The reported analytical parameters are analyzed by laboratories with a documented quality control system, based on recognized principles for quality assurance of analytical laboratories.

2. GMO

This product does not need to be labelled regarding any genetic modification as per the GMO regulations (EC) 1829/2003 and 1830/2003 (including amendments).

3. BSE/TSE

This product, or any constituent thereof, is BSE/TSE free.

4. Non-Irradiation

This product, or any constituent thereof, is not-irradiated.

5. Pesticides

This product is subject to statistical quality-control, and is free from pesticides as per regulation (EC) No. 396/2005 (including amendments).

6. Change Control

Herewith we confirm that no changes to the production process, which could affect the product quality, safety, and efficacy will be introduced without prior notice and acceptance, in writing.