

## TECHNICAL DATA SHEET

# D-Glucosamine Sulfate Potassium Chloride

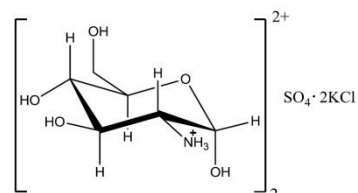
## 95% with 5% PVP K-30

### Chemical Properties

CAS No: 1296149-08-0

Chemical Formula:  $(C_6H_{14}NO_5)_2SO_4 \cdot 2KCl$

Molecular Weight: 605.52



### Description

Glucosamine sulphate potassium chloride is essential for rebuilding joints and synovial fluid which can lubricate the joints. So it is important for arthritis.

### Solubility

It is freely soluble in water, sparingly soluble in methanol, practically insoluble in acetone.

### Specification

| Item                       | Specification               | Test Method |
|----------------------------|-----------------------------|-------------|
| Appearance                 | White to off-white granules | Visual      |
| D-Glucosamine Sulfate 2KCL | Min 95%                     | In-house    |
| PVP K-30                   | Max 5%                      | USP         |
| Particle Size              | Min 95% through 20 mesh     | USP         |
| Loss on drying             | Max 2.5%                    | USP         |
| Residue on ignition        | 25.0~29.0%                  | USP         |
| Heavy metals               | Max 10ppm                   | USP         |
| Arsenic                    | Max 3ppm                    | USP         |
| Total Plate Count          | Max 1,000cfu/g              | USP         |
| Yeasts & Molds             | Max 100cfu/g                | USP         |
| <i>E. Coli</i>             | Negative                    | USP         |
| <i>Salmonella</i>          | Negative                    | USP         |

### Ingredients

D-Glucosamine Sulphate Potassium Chloride 95%

### Labeling

In the United States and the European Union: D-Glucosamine Sulphate Potassium Chloride

### Uses recommendations

D-Glucosamine Sulphate Potassium Chloride have assisted in rebuilding cartilage, slow the progression of

osteoarthritis, and ease pain without the side effects of COX-2 inhibitors or NSAIDS.

## Safety

---

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

## Handling recommendations

---

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation.

Keep away from sparks, and flame. Keep away from sources of ignition. Keep container closed when not in use.

## Packaging, Storage & Shelf Life

---

|            |   |
|------------|---|
| Package    | 25kg/drum; or according to customers' requirements. |
| Storage    | Preserved in tight, light-resistant containers.     |
| Shelf Life | 2 years if sealed and stored properly.              |