



Product Specification

Product Name: CALCIUM SULFATE Dihydrate AR

Alternate Name(s) Gypsum

Description

White odourless powder or crystals.

Properties

Chemical Formula: $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

Molecular Weight: 172.17

Product Code: CA017

CAS No. 10101-41-4

General Information:

Slightly soluble in water; soluble in ammonium salts & sodium thiosulfate; almost insoluble in organic solvents. Incompatible with aluminum & diazomethane. Cannot set with water.

Quality Specification

Assay: 98.0-102.0%

Specific Properties and Impurities [Typical levels]:

| | |
|------------------------------|-------------|
| Insoluble in dilute HCl | ≤ 0.02% |
| Chloride (Cl) | ≤ 0.005% |
| Nitrate (NO ₃) | Passes Test |
| Carbonate (CO ₃) | Passes Test |
| Heavy metals (as Pb) | ≤ 0.002% |
| Iron (Fe) | ≤ 0.001% |
| Magnesium (Mg) | ≤ 0.02% |
| Potassium (K) | ≤ 0.005% |
| Sodium (Na) | ≤ 0.02% |
| Strontium (Sr) | ≤ 0.05% |

Hazard and Safety Data

| | |
|--------------------------------|----------------|
| UN Group: | None Allocated |
| Class: | None Allocated |
| UN Number: | None Allocated |
| Hazchem code: | None Allocated |
| CS MSDS Code: | 6SYTL6S3 |
| Poison schedule: | Not Scheduled |
| Emergency Procedure Guide No.: | N/A |

CONFORMS TO ACS

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