



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]:

Specific Gravity	2.32
Solubility in Water @ 20 °C	2 g/L
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%
Fluoride (F)	≤ 0.003%
Loss on drying (250°C)	19.0-23.0%
Iron (Fe)	≤ 0.001%
Lead (Pb)	≤ 0.0002%
Magnesium (Mg)	≤ 0.02%
Potassium (K)	≤ 0.005%
Selenium (Se)	≤ 0.003%
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:	1CH1P
Poison schedule:	Not Scheduled
Emergency	
Procedure Guide No.:	N/A

CONFORMS TO ACS

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