



Product Specification

Product Name: CADMIUM SULFATE, 8/3-Hydrate AR

Alternate Name(s)

Description

Colourless crystals.

Properties

Chemical Formula: $\text{CdSO}_4 \cdot 8/3\text{H}_2\text{O}$

Molecular Weight: 256.52

Product Code: CA249

CAS No. 7790-84-3

General Information:

Soluble in water. Insoluble in alcohol. Almost insoluble in ethyl acetate. Incompatible with aluminium and magnesium. Non combustible material.

Hazard and Safety Data

UN Group: III
Class: 6.1
UN Number: 2570
Hazchem code: 2X
CS MSDS Code: 1CHKY
Poison schedule: S6
Emergency
Procedure Guide No.: 37

Quality Specification

Assay: 98.0-102.0%

Specific Properties and Impurities [Typical levels]:

Solubility in Water @ 20 °C	767 g/L
Specific Gravity	3.09
Melting Point	41.5 °C
Insoluble matter	≤ 0.005%
Nitrate & nitrite (as NO ₃)	≤ 0.003%
Iron	≤ 0.001%
Copper	≤ 0.002%
Lead	≤ 0.003%
Zinc	≤ 0.05%
Chloride	≤ 0.001%
Potassium	≤ 0.01%
Sodium	≤ 0.02%
Calcium	≤ 0.005%

CONFORMS TO ACS

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