Product Specification

Product Name: CALCIUM CHLORIDE Dihydrate (fused) AR

Alternate Name(s) Calcium (II) chloride

Description

White deliquescent crystals, granules, lumps, or flakes.

Properties

Chemical Formula:

Molecular Weight: 147.01

Product Code: CA033

CAS No. 10035-04-8

General Information:

Soluble in alcohol. Freely soluble in water with heat liberation. Very hygroscopic. Non combustible material. Emits toxic fumes when heated to decomposition.

Hazard and Safety Data

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	1CH1L
Poison schedule:	Not Scheduled
Emergency Procedure Guide No.:	N/A

Quality Specification

Assay: 99.0-105.0%

Specific Properties and Impurities [Typical levels]:

pH of 5% solution at 25°C	4.5-8.5
Insoluble matter	≤ 0.01%
Oxidizing substances (as NO3)	≤ 0.003%
Sulfate (SO4)	≤ 0.01%
Heavy metals (as Pb)	≤ 0.0005%
Ammonium (NH4)	≤ 0.005%
Barium (Ba)	≤ 0.003%
Iron (Fe)	≤ 0.0003%
Magnesium (Mg)	≤ 0.005%
Potassium (K)	≤ 0.01%
Sodium (Na)	≤ 0.02%
Strontium (Sr)	≤ 0.1%

CONFORMS TO ACS

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