



Product Specification

Product Name: COPPER(II) NITRATE TRIHYDRATE LR

Alternate Name(s) Cupric Nitrate; Gehardtite

Description

Deep blue fine crystals.

Properties

Chemical Formula: $\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$

Molecular Weight: 241.60

Product Code: CL059

CAS No. 10031-43-3

General Information:

Deliquescent; soluble in water, alcohol. Oxidizing material; in contact with organic materials it may cause violent combustion or explosion.

Hazard and Safety Data

UN Group: II
Class: 5.1
UN Number: 1477
Hazchem code: 1[Z]
CS MSDS Code: 1CH29
Poison schedule: S6
Emergency
Procedure Guide No.: 31

Quality Specification

Assay: 98.5% min.

Specific Properties and Impurities [Typical levels]:

Water insoluble matter	≤ 0.01%
Chloride (Cl)	≤ 0.05%
Sulfate (SO ₄)	≤ 0.03%
Calcium (Ca)	≤ 0.01%
Cobalt (Co)	≤ 0.0025%
Iron (Fe)	≤ 0.005%
Lead (Pb)	≤ 0.005%
Magnesium (Mg)	≤ 0.0025%
Nickel (Ni)	≤ 0.5%
Zinc (Zn)	≤ 0.05%

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