

Product Specification

Product Name: COBALT(II) SULFATE Heptahydrate LR

Alternate Name(s) Cobaltous sulfate; bieberite; cobalt sulfate.

Description

Red to brownish pink crystals

Properties

Chemical Formula: $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$

Molecular Weight: 281.10

Product Code: CL085

CAS No. 10026-24-1

General Information:

Slightly soluble in hot water, methanol and ethanol. Stable to 420 °C when anhydrous salt forms. Anhydrous salt is stable to 708 °C. Incompatible with strong oxidisers, acids and tert-butyl hydroperoxide.

Hazard and Safety Data

UN Group: III
Class: 9
UN Number: 3077
Hazchem code: 2X
CS MSDS Code: 1CHCC
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 47

Quality Specification

Assay: 21.0% min. (as Co)

Specific Properties and Impurities [Typical levels]:

Arsenic (As)	≤ 0.0005%
Copper (Cu)	≤ 0.0050%
Iron (Fe)	≤ 0.0100%
Lead (Pb)	≤ 0.0020%
Nickel (Ni)	≤ 0.0250%
Zinc (Zn)	≤ 0.0100%

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