



Specification

Cobalt Sulfate Heptahydrate

Catalog Number: CS1001
CAS Number: 10026-24-1
Molecular Formula: $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$
Molecular Weight: 281.10
Storage: 15°C – 30°C
Retest Date: Three years after date of manufacture.

Test	Specification
Appearance	Pink-red crystalline powder
Assay	≥ 99%
Identification	To pass test
Solubility	Clear red solution
pH (5%)	3.0 – 5.0
Insoluble Substances	≤ 0.003%
Substances Not Precipitated by $(\text{NH}_4)_2\text{SO}_4$	≤ 0.2%
Chloride	≤ 0.001%
Nitrogen Compounds	≤ 0.002%
Calcium	≤ 0.003%
Copper	≤ 0.001%
Manganese	≤ 0.001%
Nickel	≤ 0.005%
Sodium	≤ 0.01%
Zinc	≤ 0.005%
Heavy Metals	≤ 0.001%
Iron	≤ 0.002%
Lead	≤ 0.005%

Approved by:

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