



>>Entry Name: Cobalt(*II*) nitrate (Co(NO₃)₂)

CAS Registry Number: 10141-05-6

Extra CAS Registry Numbers(s): 14216-74-1

Co(NO₃)₂

Molecular Formula: CoN₂O₆

Molecular Weight: 182.943

Accurate Mass: 182.908836

Percentage Composition: Co 32.21%; N 15.31%; O 52.47%

General Statement: Generally obt. as hexahydrate

Use/Importance: Analytical reagent. Used in the product. of cobalt pigments

>>Derivative: Hexahydrate

Synonym(s): Hexaaquacobalt(2+) nitrate. Cobalt(*II*) nitrate hexahydrate

CAS Registry Number: 10026-22-9

Extra CAS Registry Numbers(s): 23730-86-1

Use/Importance: Commercially available

Physical Description: Carmine red cryst.

Solubility: Sol. H₂O

Aldrich: 20310-6

Fluka: 60833

Sigma: C2769

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1256C, (*ir*)

Sidgwick, N.V., *The Chemical Elements and their Compds.*, Oxford, 1950, 1381, (*props*)

Remy, H., *Treatise Inorg. Chem.*, 1956, **2**, 300, (*synth, props, use*)