

# *Chem-Impex International, Inc.*

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## *Product Specifications*

Co(NO<sub>3</sub>)<sub>2</sub> • 6H<sub>2</sub>O

<b>Catalogue Number</b>	35498
<b>Product</b>	<b>Cobalt(II) nitrate hexahydrate</b> Cobaltous nitrate hexahydrate Nitric acid cobalt(II) salt
<b>CAS Number</b>	10026-22-9
<b>Molecular Formula</b>	Co(NO <sub>3</sub> ) <sub>2</sub> •6H <sub>2</sub> O
<b>Molecular Weight</b>	291.03

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<b>Appearance</b>	Red to plum colored solid
<b>Solubility</b>	159 g in 100 mL water at 20 °C
<b>Melting Point</b>	55 - 56 °C
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): ≤ 0.002% Sulfate (SO <sub>4</sub> <sup>2-</sup> ): ≤ 0.005%
<b>Cation</b>	Calcium (Ca): ≤ 0.005% Copper (Cu): ≤ 0.002% Iron (Fe): ≤ 0.001% Lead (Pb): ≤ 0.002% Magnesium (Mg): ≤ 0.005% Nickel (Ni): ≤ 0.15% Potassium (K): ≤ 0.01% Sodium (Na): ≤ 0.05% Zinc (Zn): ≤ 0.01%
<b>Insoluble material</b>	≤ 0.01%
<b>Assay by titration</b>	98 - 102%
<b>Application</b>	Preparation of cobalt standard solutions
<b>Storage</b>	Store at RT

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**For Laboratory Use Only**