

# *Chem-Impex International, Inc.*

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## *Product Specifications*

$\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$

<b>Catalogue Number</b>	23172
<b>Product</b>	<b>Magnesium nitrate hexahydrate</b>
<b>CAS Number</b>	13446-18-9
<b>Molecular Formula</b>	$\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$
<b>Molecular Weight</b>	256.41
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<b>Appearance</b>	Colorless or white solid
<b>Solubility</b>	125 g in 100 mL at 25 °C in aqueous solution
<b>Heavy Metals</b>	≤ 5 ppm (as Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): ≤ 0.001% Phosphate (PO <sub>4</sub> <sup>3-</sup> ): ≤ 5 ppm Sulfate (SO <sub>4</sub> <sup>2-</sup> ): ≤ 0.005%
<b>Cation</b>	Ammonium (NH <sub>4</sub> <sup>+</sup> ): ≤ 0.003% Barium (Ba): ≤ 0.005% Calcium (Ca): ≤ 0.01% Manganese (Mn): ≤ 5 ppm Potassium (K): ≤ 0.005% Sodium (Na): ≤ 0.005% Strontium (Sr): ≤ 0.005% Iron (Fe): ≤ 5 ppm
<b>pH</b>	5.0 - 8.2 (5% solution at 25 °C)
<b>Insoluble material</b>	≤ 0.005%
<b>Assay by titration</b>	98 - 102%
<b>Grade</b>	ACS reagent
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**