

# *Chem-Impex International, Inc.*

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

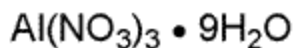
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*



<b>Catalogue Number</b>	30223
<b>Product</b>	<b>Aluminum nitrate nonahydrate</b>
<b>CAS Number</b>	7784-27-2
<b>Molecular Formula</b>	$\text{Al}_3(\text{NO}_3)_9 \cdot 9\text{H}_2\text{O}$
<b>Molecular Weight</b>	375.13

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<b>Appearance</b>	White crystals
<b>Solubility</b>	64 g in 100 mL at 25 °C in water.
<b>Melting Point</b>	73 °C (Approx.)
<b>Heavy Metals</b>	≤ 0.001% (as Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): ≤ 0.001% Sulfate (SO <sub>4</sub> <sup>2-</sup> ): ≤ 0.005%
<b>Cation</b>	Calcium (Ca): ≤ 0.005% Magnesium (Mg): ≤ 0.001% Sodium (Na): ≤ 0.005% Potassium (K): ≤ 0.002% Iron (Fe): ≤ 0.002%
<b>Insoluble material</b>	≤ 0.005%
<b>Assay by titration</b>	98.0-102.0%
<b>Grade</b>	ACS reagent
<b>Application</b>	It is used in metal standard solutions; extraction of uranium.
<b>Storage</b>	Store at RT

**For Laboratory Use Only**