

# Chem-Impex International, Inc.

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## Product Specifications

**ZnSO<sub>4</sub> • 7H<sub>2</sub>O**

<b>Catalogue Number</b>	47626
<b>Product</b>	<b>Zinc sulfate heptahydrate</b> Zinc sulfate•7H <sub>2</sub> O
<b>CAS Number</b>	7446-20-0
<b>Molecular Formula</b>	ZnSO <sub>4</sub> •7H <sub>2</sub> O
<b>Molecular Weight</b>	287.5

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<b>Warnings</b>	<i>Hygroscopic!</i>
<b>Appearance</b>	Colorless efflorescent crystals
<b>Solubility</b>	One gram dissolves in about 0.6 mL water and in about 2.5 mL of glycerin, insoluble in alcohol
<b>Melting Point</b>	39 - 41 °C
<b>Density</b>	1.97
<b>Alkaline earth metals</b>	Alkalies & alkaline earths : ≤ 0.5%
<b>Cation</b>	Cadmium (Cd) : ≤ 2 mg/Kg Lead (Pb) : ≤ 4 mg/Kg Mercury (Hg) : ≤ 5 mg/Kg Selenium (Se) : < 0.003%
<b>Acidity</b>	To pass test
<b>Activity</b>	To pass test
<b>Assay</b>	99.0 - 108.7%
<b>Grade</b>	FCC
<b>Application</b>	It is widely used as a coagulant in the production of rayon. It finds an application in the manufacturing of calico printing, wood preservation and lithopone. It is the source of zinc which is supplied in animal feeds, fertilizers and agricultural sprays. It is utilized as electrolytes for zinc plating and surface treating agents. It is also used as a mordant in dyeing, preservative for skin and leather and in medicine as an astringent and emetic.
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : To pass test

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**For Laboratory Use Only**