



Product Specification

Product Name: ZINC NITRATE Hexahydrate AR

Alternate Name(s) Zinc Nitrate

Description

Colorless crystals.

Properties

Chemical Formula: $Zn(NO_3)_2 \cdot 6H_2O$

Molecular Weight: 297.47

Product Code: ZA008

CAS No. 10196-18-6

General Information:

Soluble in water, alcohol. Loses water of crystallization between 105 - 131°C.
Irritating to eyes and skin. Aqueous solutions are slightly corrosive.

Hazard and Safety Data

UN Group: II
Class: 5.1
UN Number: 1514
Hazchem code: 1Y
CS MSDS Code: 1CH7H
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 31

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Solubility in water (20°C)	1800 g/l
Melting Point	36.4°C
Specific Gravity	2.065 g/cm ³
pH (5% solution, 25°C)	3.5-6.0
Insoluble matter	≤ 0.005%
Sulfate (SO ₄)	≤ 0.005%
Copper (Cu)	≤ 0.0005%
Iron (Fe)	≤ 0.0005%
Lead (Pb)	≤ 0.005%

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