



Product Specification

Product Name: ZINC SULFATE Heptahydrate LR

Alternate Name(s) Zinc vitriol, white vitriol; white copperas.

Description

Colourless crystals, small needles or granular crystalline powder; odourless; astringent metallic taste.

Properties

Chemical Formula: $ZnSO_4 \cdot 7H_2O$

Molecular Weight: 287.56

Product Code: ZL012

CAS No. 7446-20-0

General Information:

Efflorescent in air. loses $7H_2O$ at $280^\circ C$. Solutions are acid to litmus. Soluble in water and glycerol; insoluble in alcohol.

Hazard and Safety Data

UN Group: III
Class: 9
UN Number: 3077
Hazchem code: 2Z
CS MSDS Code: 1CH7K
Poison schedule: S6
Emergency
Procedure Guide No.: 47

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

pH 5% solution (25 °C)	4.4 - 6.0
Specific Gravity	1.957
Melting Point	$100^\circ C$
Chloride (Cl)	$\leq 0.03\%$
Iron (Fe)	$\leq 0.01\%$
Lead (Pb)	$\leq 0.0008\%$

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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