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Specification

Product	Zinc sulfate heptahydrate
Brand	Labochem

Quality	pure EP, USP
Product number	LC-4777
Synonyms	White Vitriol
Formula	$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$
Molecular weight	287.54 g/mol
CAS number	7446-20-0
Solubility (20°C in water)	960 g/l
Melting point	100°C
Storage	RT

We herewith confirm that this product meets the requirements of the European Pharmacopoeia (EP 8.0) and the US Pharmacopoeia (USP 37).

Parameter	Specification
Assay (complexometric)	99.0 - 102.0 %
Identity (USP)	passes test (a sol. responds to the test for Zinc <191> and Sulfate <191>)
Appearance of solution	passes test
Free acid	passes test
pH-value (5 %; water)	4.4 - 5.6
Chloride (Cl)	max 0.0005 %
Heavy metals (as Pb)	max 0.0010 %
As (Arsenic)	max 0.0002 %
Ca (Calcium)	max 0.005 %
Cd (Cadmium)	max 0.0002 %
Cu (Copper)	max 0.001 %
Fe (Iron)	max 0.001 %
Hg (Mercury)	max 0.0005 %
Mg (Magnesium)	max 0.005 %
Pb (Lead)	max 0.0004 %
Se (Selenium)	max 0.003 %
Res. solvents (ICH Q3C)	excluded by manufacturing process
Alkali- and alkaline earth metals (as sulphates)	max 0.5 %
Loss on Drying (105°C)	35.5 - 38.5 %

Einhausen, 24.11.2016