

neoFroxx GmbH

Marie-Curie-Str. 3
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Specification

Product	Magnesium sulfate heptahydrate p.A.
Product number	LC-4752
Synonyms	Epsom salt, Bitter salt
Formula	$\text{MgSO}_4 \cdot 7 \text{H}_2\text{O}$
Molecular weight	246.48 g/mol
CAS number	10034-99-8
Storage	below 25°C
Retest period (months)	60
Parameter	Specification
Assay (titr.)	99.5 - 102 %
Appearance (revised)	colourless to white crystals or crystalline powder
pH (5 % in water, 20°C)	5 - 9.2
Insoluble matter	$\leq 0.005 \%$
Chloride (Cl)	$\leq 0.15 \%$
Ammonium (NH_4)	$\leq 0.002 \%$
Phosphate (PO_4)	$\leq 0.001 \%$
Nitrate (NO_3)	$\leq 0.001 \%$
Arsenic (As)	$\leq 0.00005 \%$
Heavy metals (Pb)	$\leq 0.0005 \%$
Silver (Ag)	$\leq 0.0005 \%$
Aluminium (Al)	$\leq 0.0005 \%$
Gold (Au)	$\leq 0.0005 \%$
Boron (B)	$\leq 0.0005 \%$
Beryllium (Be)	$\leq 0.0005 \%$
Bismuth (Bi)	$\leq 0.0005 \%$
Calcium (Ca)	$\leq 0.05 \%$
Cadmium (Cd)	$\leq 0.0005 \%$
Cobalt (Co)	$\leq 0.0005 \%$
Chromium (Cr)	$\leq 0.0005 \%$

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Copper (Cu)	<= 0.0005 %
Iron (Fe)	<= 0.0005 %
Gallium (Ga)	<= 0.0005 %
Germanium (Ge)	<= 0.0005 %
Indium (In)	<= 0.0005 %
Potassium (K)	<= 0.005 %
Lithium (Li)	<= 0.0005 %
Manganese (Mn)	<= 0.0001 %
Molybdenum (Mo)	<= 0.0005 %
Sodium (Na)	<= 0.005 %
Nickel (Ni)	<= 0.0005 %
Lead (Pb)	<= 0.0005 %
Antimony (Sb)	<= 0.0005 %
Selenium (Se)	<= 0.0005 %
Silicon (Si)	<= 0.0005 %
Tin (Sn)	<= 0.0005 %
Strontium (Sr)	<= 0.005 %
Titanium (Ti)	<= 0.0005 %
Zinc (Zn)	<= 0.0005 %
Zirconium (Zr)	<= 0.0005 %

Einhausen, 20.05.2025