

neoFroxx GmbH

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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 %
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)	$\leq 0.0005 \%$
Copper (Cu)	$\leq 0.0005 \%$

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

Einhausen, 23.01.2025