



Specification

1.05866.0100 Magnesium oxide for analysis (max.0.001% SO₄) EMSURE® ACS

Specification

Identity	passes test	
Assay (complexometric)	≥ 97	%
Appearance of solution	passes test	
Substances soluble in water	≤ 0.4	%
Substances insoluble in hydrochloric acid	≤ 0.02	%
Substances precipitated by ammonia	≤ 0.02	%
Carbonate (as CO ₂)	≤ 1.5	%
Chloride (Cl)	≤ 0.01	%
Nitrate (NO ₃)	≤ 0.005	%
Sulfate (SO ₄)	≤ 0.001	%
Sulfate and sulphite (as SO ₄)	≤ 0.02	%
Total nitrogen (N)	≤ 0.002	%
Heavy metals (as Pb)	≤ 0.003	%
As (Arsenic)	≤ 0.0001	%
Ca (Calcium)	≤ 0.05	%
Cu (Copper)	≤ 0.001	%
Fe (Iron)	≤ 0.005	%
K (Potassium)	≤ 0.005	%
Mn (Manganese)	≤ 0.0005	%
Na (Sodium)	≤ 0.25	%
Pb (Lead)	≤ 0.001	%
Zn (Zinc)	≤ 0.0005	%
Barium and Strontium (as Ba)	≤ 0.005	%
Loss on ignition (1000 °C)	≤ 2.0	%

Conforms to ACS

Steffen Gnauck

Responsible laboratory manager quality control

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