



Material	25303.233
Material description	Manganese (II) sulphate monohydrate
Grade	AnalR NORMAPUR ACS/Reag. Ph.Eur.
CAS Number	10034-96-5
Molecular formula	MnSO <sub>4</sub> ·1H <sub>2</sub> O
Molecular mass	169.02

Characteristics	Specifications
Assay	99.0 - 101.0 %
Insolubility in water	≤ 100 ppm
Loss on ignition (500°C)	10.0 - 12.0 %
Substances reducing KMnO <sub>4</sub>	Passes test
Cl (Chloride)	≤ 10 ppm
Ca (Calcium)	≤ 50 ppm
Heavy metals (as Pb)	≤ 10 ppm
Cu (Copper)	≤ 5 ppm
Fe (Iron)	≤ 10 ppm
K (Potassium)	≤ 50 ppm
Mg (Magnesium)	≤ 50 ppm
Na (Sodium)	≤ 50 ppm
Ni (Nickel)	≤ 0.02 %
Pb (Lead)	≤ 10 ppm
Zn (Zinc)	≤ 50 ppm
Conforms to ACS	Passes test
Conforms to Reag. Ph.Eur.	Passes test

## Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Anja Vanhalle, Head of Laboratory - Haasrode  
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