

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS

Product	Manganese(II) sulfate monohydrate, reagent grade, ACS, Reag. Ph	Batch	19384601
	Eur	Quality release date	27/11/2018
MA0131		Expiry date	11/2023

Analysis	Batch value	Specifications
Assay (Complexometric)	100,56 %	99 - 101
Identity	passes test	passes test
Appearance of solution	passes test	passes test
Insoluble in water	< 0,0050 %	≤ 0,01
Chlorides (Cl)	< 0,0010 %	≤ 0,001
Calcium (Ca)	0,000598 %	≤ 0,005
Copper (Cu)	< 0,0005 %	≤ 0,0005
Heavy metals (as Pb)	0,000089 %	≤ 0,001
Iron (Fe)	< 0,0010 %	≤ 0,001
Lead (Pb)	< 0,001 %	≤ 0,001
Magnesium (Mg)	0,00347 %	≤ 0,005
Nickel (Ni)	0,0005 %	≤ 0,0005
Potassium (K)	0,000256 %	≤ 0,005
Sodium (Na)	0,00257 %	≤ 0,005
Zinc (Zn)	0,000571 %	≤ 0,005
Substances reducing KMnO ₄	passes test	passes test
Residue on ignition (500 °C)	10,67 %	10 - 12