



Specification

Concerning Product:	
Article number	598629SM
Trade name / designation / denomination	Mangan-Carbonat, metall. Manganese carbonate, metal grade
CAS number	598-62-9
Other names / synonyms	•manganese carbonate; •manganese(2+) carbonate;
EC number	209-942-9
Customs tariff number / CN code / TARIC	28369917
Molecular weight [g / mol]	114,95
Formula	MnCO ₃ CMnO ₃

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance		ivory to light brown powder	
Odour		odourless	
Physical parameter			
Substances insoluble		in Acid: ≤ 0,1	%
Bulk density		~ 3.12	g/ml
Solubility		in water: insoluble	
Identity			
Assay		90 – 96,26	%
Impurities			
Soluble part		in H ₂ SO ₄ /HCl/HNO ₃ (10% Sol.): clear solution	%
Nitrates	UV	≤ 50	ppm
Sulphates (SO ₄)	UV	≤ 200	ppm
Impurity		Phosphoric Nitric Test: clear pink solution	
Elemental Impurities			
Aluminium (Al)		≤ 20	ppm
Calcium (Ca)	AAS	≤ 200	ppm
Chlorides (Cl)		≤ 100	ppm
Chromium (Cr)	AAS	≤ 10	ppm
Copper (Cu)	AAS	≤ 30	ppm
Iron (Fe)	UV	≤ 50	ppm
Potassium (K)		(incl. Natrium/Sodium) ≤ 50	ppm
Manganese (Mn)	Titration	43 – 46	%
Sodium (Na)		(incl. Kalium/Potassium) ≤ 50	ppm
Lead (Pb)	AAS	≤ 15	ppm
Zinc (Zn)		≤ 10	ppm

Supplemental information:

Packing: 25 kg, 50 kg HDPE bags with liner or 25 kg Paper bags with liner.

Regional origin: IND

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 22. Nov. 2018

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