



Technical Data Sheet – Manganese Carbonate

Manganese carbonate is a compound with the chemical formula $MnCO_3$. Manganese carbonate occurs naturally as the mineral rhodochrosite but it is typically produced industrially. It is a pale pink, water-insoluble solid.

Sr. No.	Test Parameters	Result	Unit
1	Appearance	Light Brown Color	
2	Mn Contain	44.01	%
3	Solubility	Clear Soluble in 10% solution in acid mix(25ml H_3PO_4 (85%) + 25ml HNO_3 (56%) + 50 ml DM Water	
4	Purity as $mncO_3$	97.95	%
5	Solubility in water	Negligible	
6	Density	3.12	g/cm^3
7	Chloride (cl)	Not Detected	
8	Sulfate (SO_4)	0.45	%
9	Moisture Contain	0.95	%
10	Nitric Acid Insoluble	0.10	%
11	Calcium	Not Detected	
12	Copper	13	PPM
13	Chromium	15	PPM
14	Cobalt	10	PPM
15	Molybdenum	20	PPM

Application

Manganese carbonate is widely used as an additive to plant fertilizers to cure manganese deficient crops. It is also used in health foods, in ceramics as a glaze colorant and flux, and in concrete stains. It is used in medicine as a hematinic.