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## **Manganese Carbonate**

(C.A.S - 598-62-9)

### **Physical Characteristics**

Manganese Carbonate is Material odorless Ivory to Light Brown Powder Material odorless.

### **TYPICAL PROPERTY VALUES**

<b>Chemical Characteristics</b>			
<b>Properties</b>	<b>Value</b>	<b>Units</b>	<b>Test Method</b>
Molecular Weight	114.94	Gram/Mole	-
Melting point	Not Applicable		-
pH	Not Applicable		-
<b>Technical Specifications</b>			
<b>Properties</b>	<b>Value</b>	<b>Units</b>	<b>Test Method</b>
Assay	92	% Min	Mn Content Calculation
Mn Content	44 ± 0.5	% Min	By E.D.T.A Titration
Calcium as Ca	0.22	% Max	By ICP-OES
Copper as Cu	0.003	% Max	By ICP-OES
Iron as Fe	0.005	% Max	By ICP-OES
Lead as Pb	0.0015	% Max	By ICP-OES
Nickel as Ni	0.003	% Max	By ICP-OES
Sodium As Na + Potassium as K	0.04	% Max	By ICP-OES
Chloride as Cl	0.01	% Max	Argentometric Titration
Nitrate as NO <sub>3</sub>	0.01	% Max	By Uv-Vis Spectrophotometer
Sulphate as SO <sub>4</sub>	0.08	% Max	By Uv-Vis Spectrophotometer

### **APPLICATIONS**

- As pigment single bond "manganese white"; drier for varnishes;
- Animal feeds
- to manufacture ceramic colours
- to manufacture Metal Pretreatment chemicals / surface treatment chemicals (Manganese Phosphating)

### **TOXICITY AND SAFETY**

Refer to MSDS

### **STORAGE AND HANDLING**

Refer to MSDS