



**Navadia Finechem**

1309-03, G.I.D.C Estate

Ankleshwar 393 002, (Gujarat), India

Phones :- +91 - 2646 - 252111

Email :- navadiafinechem@gmail.com



## **Manganese Chloride Tetra-Hydrate**

(C.A.S - 13446-34-9)

### **Physical Characteristics**

Manganese Chloride Tetra-Hydrate is odor crystalline Material. It is mildly irritating to the skin

### **TYPICAL PROPERTY VALUES**

<b>Chemical Characteristics</b>			
<b>Properties</b>	<b>Value</b>	<b>Units</b>	<b>Test Method</b>
Molecular Weight	197.91	Gram/Mole	-
Melting point	58 °C		-
pH	4.5 - 5.2		-
<b>Technical Specifications</b>			
<b>Properties</b>	<b>Value</b>	<b>Units</b>	<b>Test Method</b>
Assay	98	% Min	Mn Content Calculation
Mn Content	27.20	% Min	By Titration
Iron as Fe	050	ppm Max	By ICP
Calcium as Ca	2000	ppm Max	By ICP
Copper as Cu	030	ppm Max	By ICP
Lead as Pb	015	ppm Max	By ICP
Nickel as Ni	030	ppm Max	By ICP
Sodium As Na + Potassium as K	150	ppm Max	By ICP
Zinc As Zn	050	ppm Max	By ICP
Sulphate as SO <sub>4</sub>	200	ppm Max	By Uv-Vis Spectrophotometer

### **APPLICATIONS**

- In dyeing (manganese bister),
- disinfecting purifying natural gas;
- linseed oil drier; in electric batteries,
- Manufacturing CMD,
- Micro Nutrient in Agriculture
- laboratory reagent
- As catalyst

### **TOXICITY AND SAFETY**

Refer to MSDS

### **STORAGE AND HANDLING**

Refer to MSDS