



## CERTIFICATE OF ANALYSIS

Date: 19/03/18

**PRODUCT NAME : MANGANESE (II) CHLORIDE (TETRAHYDRATE) PURIFIED**  
(Manganous Chloride)

**CAS No** : 13446- 34- 9  
**Mol. Formula** :  $MnCl_2 \cdot 4H_2O$   
**Mol. WT** : 197.90  
**Exp.** : Feb. 2023

**Product code** : 15590  
**Batch No** : MCR- 15740  
**Mfd.** : March 2018

S. R	Test	Specification	Observation
1	Assay	97 – 101% w/w	97.36% w/w
2	Sulphate (SO <sub>4</sub> )	0.05% max	< 0.05%
3	Barium (Ba)	0.05% max	< 0.05%
4	Iron (Fe)	0.005% max	< 0.005%
5	Potassium (K)	0.025% max	< 0.025%
6	Sodium (Na)	0.05% max	< 0.05%
7	Zinc (Zn)	0.05% max	< 0.05%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE  
(G.G.Salian)

**Note:** Computer generated image requires no sign.

**MOLYCHEM Office:** 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)  
**Tel:** +91 22 4066 8111, 2205 7772 . **Fax:** + 91 22 2203 4442. **Email :** [info@molychem.net](mailto:info@molychem.net)  
**Works:** Plot No.B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503