



## CERTIFICATE OF ANALYSIS

Date: 30/04/13

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

**CAS No : 13446-34-9**  
**Mol. Formula : MnCl<sub>2</sub>.4H<sub>2</sub>O**  
**Mol. WT : 197.90**

**Product code : 15590**  
**Batch No : MCR-6669**  
**Mfd. : April 2013**

S. R	Test	Specification	Observation
1	Assay	97-101 % w/w	100.07 % w/w
2	Sulphate (SO <sub>4</sub> )	0.05% max	<0.05%
3	Iron (Fe)	0.005% max	<0.005%
4	Barium (Ba)	0.05% max	<0.05%
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.

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