



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : MANGANESE (II) ACETATE (TETRAHYDRATE) AR**

**CAS No : 6156-78-1**      **Product code : 23925**  
**Mol. Formula : (CH<sub>3</sub>COO)<sub>2</sub>Mn.4H<sub>2</sub>O**      **Batch No : MCR-18309**  
**Mol. WT : 245.09**      **Mfd. : March 2019**  
**Date of analysis : 18/03/19**      **Exp. : Feb. 2024**

S. R	Test	Specification	Observation
1	Description	Pink powder or crystalline powder.	Pink crystalline powder.
2	Assay	99.5% min	99.68%
3	Calcium (Ca)	0.005% max.	<0.005%
4	Iron (Fe)	0.0005% max.	<0.0005%
5	Magnesium (Mg)	0.005% max.	<0.005%
6	Lead (Pb)	0.0005% max.	<0.0005%
7	Chloride (Cl)	0.001% max.	<0.001%
8	Sulphate (SO <sub>4</sub> )	0.005% max.	<0.005%
9	KMnO <sub>4</sub> red. matters (as O)	0.0005% max.	<0.0005%
10	Sodium (Na)	0.002% max.	<0.002%
11	Zinc (Zn)	0.005% max.	<0.005%

**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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