



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : MANGANESE DIOXIDE AR**

<b>CAS No</b>	<b>: 1313- 13- 9</b>	<b>Product code</b>	<b>: 23940</b>
<b>Formula</b>	<b>: MnO<sub>2</sub></b>	<b>Batch No</b>	<b>: MCR-20545</b>
<b>Mol. WT</b>	<b>: 86.94</b>	<b>Mfd.</b>	<b>: Jan. 2020</b>
<b>Date of analysis</b>	<b>: 11/01/20</b>	<b>Exp.</b>	<b>: Dec. 2024</b>

<b>S. R</b>	<b>Test</b>	<b>Specification</b>	<b>Observation</b>
1	<b>Description</b>	Black Heavy powder	Black Heavy powder
2	<b>Assay</b>	80 % min	81.21%
3	<b>pH (5% water extract)</b>	4.5 - 6.5	6.47
4	<b>Free Moisture</b>	3% max	< 3%
5	<b>Insoluble matter in HCl</b>	0.5% max	0.3%
6	<b>Iron (Fe)</b>	0.1% max	< 0.1%
7	<b>Lead (Pb)</b>	0.09% max	< 0.09%
8	<b>Copper (Cu)</b>	0.002% max	< 0.002%
9	<b>Sulphate (SO<sub>4</sub>)</b>	1.2% max	< 1.2%

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

**[Tested By]**

**[Q.C Incharge]**

**HEAD-QUALITY ASSUARANCE**  
**(G.G.Salian)**

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

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