



CERTIFICATE OF ANALYSIS

PRODUCT NAME : MANGANESE DIOXIDE AR

| | | | |
|-------------------------|--------------------------|---------------------|---------------------|
| CAS No | : 1313- 13- 9 | Product code | : 23940 |
| Formula | : MnO₂ | Batch No | : MCR-18838 |
| Mol. WT | : 86.94 | Mfd. | : May 2019 |
| Date of analysis | : 28/05/19 | Exp. | : April 2024 |

| S. R | Test | Specification | Observation |
|-------------|----------------------------------|----------------------|--------------------|
| 1 | Description | Black powder | Black powder |
| 2 | Assay | 80 % min | 80.53% |
| 3 | pH (5% water extract) | 4.5 - 6.5 | 5.3 |
| 4 | Free Moisture | 3% max | < 3% |
| 5 | Insoluble matter in HCl | 0.5% max | 0.2% |
| 6 | Iron (Fe) | 0.1% max | < 0.1% |
| 7 | Lead (Pb) | 0.09% max | < 0.09% |
| 8 | Copper (Cu) | 0.002% max | < 0.002% |
| 9 | Sulphate (SO₄) | 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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