

## SPECIFICATION

### Manganese Monoxide

| Parameters       | Specification                                                                     |
|------------------|-----------------------------------------------------------------------------------|
| CAS Number       | 1344-43-0                                                                         |
| Appearance       | Black powder                                                                      |
| Molecular Weight | 70.94 g/mol                                                                       |
| Boiling Point    | 2000 °C                                                                           |
| Melting Point    | 1770 °C                                                                           |
| Flash Point      | 0 °C                                                                              |
| Purity           | 98–99%                                                                            |
| Refractive Index | 2.3                                                                               |
| Solubility       | Insoluble in water; soluble in acids to form Mn <sup>2+</sup>                     |
| Uses             | Precursor to MnO <sub>2</sub> ; ceramic glaze; glass coloration; steel deoxidizer |

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