

# SPECIFICATION

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| <b>PRODUCT :</b> | <b>MANGANESE SULFATE MONOHYDRATE</b>                         |
| <b>QUALITY :</b> | <b>USP/FCC      FORMULA : <math>MnSO_4 \cdot H_2O</math></b> |

| <b>TEST</b>  | <b>SPECIFICATIONS</b>         |
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| <b>Identification Sulfate</b>                              | <b>Passes test (USP, FCC)</b> |
| <b>Identification Manganese</b>                            | <b>Passes test (USP, FCC)</b> |
| <b>Assay (<math>MnSO_4 \cdot H_2O</math>)</b>              | <b>98.0 - 102.0% (USP)</b>    |
| <b>Substances not precipitated<br/>by ammonium sulfide</b> | <b>Max. 0.5% (USP)</b>        |
| <b>Loss on ignition</b>                                    | <b>10.0 - 13.0% (USP)</b>     |
| <b>Arsenic (As)</b>  | <b>Max. 3 mg/kg (FCC)</b>     |
| <b>Lead (Pb)</b>   | <b>Max. 4 mg/kg (FCC)</b>     |
| <b>Assay (<math>MnSO_4 \cdot H_2O</math>)</b>              | <b>98.0 - 102.0% (FCC)</b>    |
| <b>Loss on heating</b>                                     | <b>10.0 - 13.0% (FCC)</b>     |
| <b>Selenium</b>  | <b>Max. 0.003% (FCC)</b>      |