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Product Specification

Product Name:
Manganese(II) sulfate monohydrate - ACS reagent, ≥98%

| | | |
|------------------------|---------------------|----------------------|
| Product Number: | 221287 | $MnSO_4 \cdot xH_2O$ |
| CAS Number: | 10034-96-5 | |
| MDL: | MFCD00149159 | |
| Formula: | $MnO_4S \cdot H_2O$ | |
| Formula Weight: | 169.02 g/mol | |
| Storage Temperature: | 2 - 8 °C | |

| TEST | Specification |
|--------------------------------------|-----------------------------|
| Appearance (Color) | White to Off White and Pink |
| Appearance (Form) | Powder |
| X-Ray Diffraction | Conforms to Structure |
| Compleximetric EDTA | 98.0 - 101.0 % |
| Loss on Ignition | 10.0 - 12.0 % |
| Insoluble matter | ≤ 0.01 % |
| Chloride Content | ≤ 0.005 % |
| Substances reducing (by MnO4) | Pass |
| Iron (Fe) | ≤ 0.002 % |
| Heavy Metal as Lead | ≤ 0.002 % |
| Nickel | ≤ 0.02 % |
| Zinc (Zn) | ≤ 0.005 % |
| Calcium (Ca) | ≤ 0.005 % |
| Potassium (K) | ≤ 0.01 % |
| Sodium (Na) | ≤ 0.05 % |
| Magnesium (Mg) | ≤ 0.005 % |
| Meets ACS Requirements | Current ACS Specification |
| Recommended Retest Period 5 years | ----- |

Specification: PRD.3.ZQ5.10000015382

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.