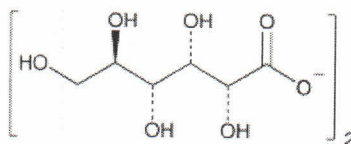


Batch no 20241112
Mf date Nov 12 2024
Retest Nov 11 2026

Molecular Structure

Mg⁺



• 2 H₂O

Molecular Formula C₁₂H₂₂MgO₁₄ • 2H₂O
Molecular Weight 450.64
CAS Registry Number 59625-89-7

Jan 21 2025

| Tests | Specifications | Results |
|--------------------------------|---|----------|
| Appearance | White crystalline powder | Conforms |
| Solubility | Freely soluble in water; very slightly soluble in alcohol; insoluble in ether | Conforms |
| Identification | A: Meets the requirements, B: TLC | Positive |
| Water | 3.0 ~ 12.0% | 9.0% |
| Reducing substances | ≤ 1.0% | 0.22% |
| Chloride | ≤ 0.05% | 0.03% |
| Sulfate | ≤ 0.05% | 0.03% |
| Heavy metals | ≤ 20 ppm | < 20 ppm |
| Lead | ≤ 10 ppm | < 10 ppm |
| pH | 6.0 ~ 7.8 | 6.1 |
| Organic volatile impurities | Meets the requirements | Conforms |
| Magnesium content as dihydrate | 5.29 ~ 5.5% | 5.43% |
| Assay | 98.0 ~ 102.0% | 100.7% |

| | |
|---------------------|--|
| Packaging & storage | Preserve in tight and light-resistant containers. Store at room temperature |
| Conclusion | Material complies with USP40 |