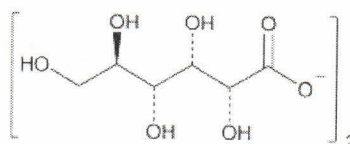


Batch no 20250108
Mf date Jan 08 2025
Retest Jan 07 2027

Molecular Structure

Mg⁺



• 2 H₂O

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

May 16 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%	8.37%
Reducing substances	≤ 1.0%	0.09%
Chloride	≤ 0.05%	< 0.05%
Sulfate	≤ 0.05%	< 0.05%
Heavy metals	≤ 20 ppm	< 20 ppm
Lead	≤ 10 ppm	< 10 ppm
pH	6.0 ~ 7.8	6.5
Organic volatile impurities	Meets the requirements	Conforms
Magnesium content as dihydrate	5.29 ~ 5.5%	5.4%
Assay	98.0 ~ 102.0%	100.36%

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