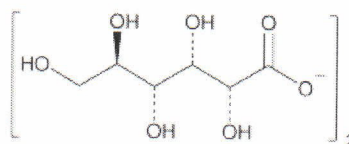


Batch no 20240412  
 Mf date Apr 12 2024  
 Retest Apr 11 2026

Molecular Structure

Mg<sup>+</sup>



• 2 H<sub>2</sub>O

Molecular Formula C<sub>12</sub>H<sub>22</sub>MgO<sub>14</sub> • 2H<sub>2</sub>O  
 Molecular Weight 450.64  
 CAS Registry Number 59625-89-7

Sep 25 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
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%	0.2%
Chloride	≤ 0.05%	0.02%
Sulfate	≤ 0.05%	0.02%
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