

## CERTIFICATE OF ANALYSIS

Product Name : MAGNESIUM SULPHATE HEPTAHYDRATE	
Lot No. : PEL/TCG/250761/25	Release Date : 1-OCT-2025
Mol. Formula : MgSO <sub>4</sub> .7H <sub>2</sub> O	Mol. Weight : 246.47
Code No. : PEL103	CAS No. : 10034-99-8
Mfg. Date : Sep-2025	Exp. Date : Aug-2032
HAZ. / P.G. : -	UN No. : -

Sr.	Tests	Specifications	Results
1	Appearance	Colorless crystals or a white, crystalline powder	Colorless crystals
2	Assay (on dried basis)	99.0 - 100.4%	100.36%
3	Solubility	Freely soluble in water, very soluble in boiling water, practically insoluble in alcohol	Complies
4	Identifications	To comply IP, BP, USP tests	Complies
5	Appearance of solution	To comply IP, BP, USP tests	Complies
6	pH (5% solution in water)	5.1 - 9.3	5.08
7	Acidity or alkalinity	To comply IP, BP test	Passes test
8	Chloride (Cl)	Max. 0.014%	0.00095%
9	Heavy metal (as Pb)	Max. 0.001%	Not detected
10	Arsenic (As)	Max 0.0002%	<0.0002%
11	Iron (Fe)	Max 0.002%	Not detected
12	Selenium (Se)	Max 0.003%	0.000022%
13	Loss on drying (at 450°C)	48.0 - 52.0%	50.45%

*Based on the evaluation, the product meets all applicable PELICAN (Trust Lies Here) specifications.*


  
**Pelican**  
 (Trust lies here)