

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Magnesium Citrate
2. INCI Name	Magnesium Citrate
3. CAS Number	3344-18-1
4. Formula	Mg ₃ (C ₆ H ₅ O ₇) ₂ .14H ₂ O
5. Batch No & Mfg. Date	As mentioned on Label
6. Date Of Exp	3 Years From MFG Date
7. Date of Analysis	Mar-2024

Sr.	Tests	Specifications	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Magnesium content (on dried basis)	14.5 - 16.4%	14.52%
3	Identification as per USP	Passes test	Passes test
4	pH (50 mg/mL)	5.0 - 9.0	6.8
5	Loss on drying (at 135°C;16 hrs)	Max 29.0%	4.96%
6	Chloride (Cl)	Max 0.05%	0.03%
7	Sulphate (SO ₄)	Max 0.2%	0.16%
8	Arsenic (As)	Max 0.0003%	<0.0003%
9	Heavy metal (as Pb)	Max 0.005%	0.00%
10	Iron (Fe)	Max 0.02%	0.00%
11	Calcium (Ca)	Max 1.0%	0.13%
12	Organic volatile impurities (By GC)	To meet the requirement	Complies