

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Magnesium Stearate
2. Alternate Names	Magnesium Octadecanoic, Magnesium salt, Stearic acid
3. CAS Number	557-04-0
4. Formula	$Mg(C_{18}H_{35}O_2)_2$
5. Mol. Weight	591.27 g/mol
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	June-2024

Sr.	Tests	Specifications	Results
1	Appearance	Fine white or almost fine white powder	fine white powder
2	Assay (as Mg; on anhydrous basis)	3.8 - 5%	4.60%
3	Loss on drying (at 105°C)	Max 6%	4.50%
4	Heavy metal (as Pb)	Max 0.002%	0.0015%
5	Zinc stearate	Max 0.5%	< 0.5%
6	Chloride (Cl)	Max 0.02%	0.015%
7	Sulphate (SO4)	Max 0.3%	0.23%
8	Acid number of precipitated fatty acid	195 - 210	205.6
9	Acidity or alkalinity	Max 1.0 ml N%	< 1.0 ml N%