

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-15 13:08:14
 Date of Next Testing: 2030-05-14 13:08:14
 Product Name: **Magnesium stearate**
 CAS Number: 557-04-0
 Specifications & Purity: PharmPure™,USP,ChP,JP,BP,Ph.Eur.
 Lot #: E2614168
 SKU #: **M498313**
 Version: **1**
 Analysis #: **699091**
 Storage Temperature: Room temperature,Desiccated

Parameter	Limit Values	Result
Freezing Point of Fatty Acids	≥53 (°C)	56.20000 °C
Acid Value of Fatty Acids	198-210 (mgKOH/g)	208.00000 mgKOH/g
Acidity or Alkalinity(0.1M)	0-0.05 (ml)	0.05000 ml
Chloride (Cl-)	0-0.1 (%)	0.05000 %
Sulphates	0-0.5 (%)	0.25000 %
Heavy Metals (total)	0-10 (ppm)	2.50000 ppm
Loss on drying(105°C)	0-4 (%)	2.90000 %
Magnesium(Mg)	4-5 (%)	4.71000 %
Sieve Residue at 200 mesh (75μ)	0-1 (%)	0.09000 %
bulk density	140-200 (g/L)	180.00000 g/L
Oxide	6.65-8.3 (%)	7.81000 %
Fatty Acid Composition(C18)	≥40 (%)	43.70000 %
Fatty Acid Composition(C16 + C18)	≥90 (%)	99.20000 %
Total Aerobic Microbial Count	0-1000 (cfu/g)	5.00000 cfu/g
Yeasts and moulds	≤100 (cfu/g)	5.00000 cfu/g
Specific Surface Area	1-7 (m2/g)	3.50000 m2/g
Iron(Fe)	0-0.01 (%)	0.01000 %
Lead(Pb)	0-2 (ppm)	0.40000 ppm
Arsenic(As)	0-3 (ppm)	0.40000 ppm
Nickel(Ni)	0-5 (ppm)	0.40000 ppm
Cadmium(Cd)	0-1 (ppm)	0.10000 ppm
Particle Size Distribution(typical)D10%	2.5-2.9 (μm)	2.60000 μm
Particle Size Distribution(typical) D50%	9.0-11.4 (μm)	9.60000 μm
Particle Size Distribution(typical)D90%	19.8-24.2 (μm)	20.20000 μm
Residual Solvents	Pass	Pass

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Parameter

Appearance(M498313)

Fatty Acid GC Retention Time

ICP: Confirms Magnesium Component

Escherichia coli (Absent in 1 g)

Salmonella (absent in 10 g)

Limit Values

white solid

conforms

Confirmed

Pass

passes test

Result

White Solid

Conforms

Confirmed

Pass

Passes test

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager