

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-19 11:39:03
 Date of Next Testing: 2029-11-18 11:39:03
 Product Name: **Magnesium stearate**
 CAS Number: 557-04-0
 Specifications & Purity: PharmPure™, USP, ChP, JP, BP, Ph.Eur.
 Lot #: K2517838
 SKU #: **M498313**
 Version: **1**
 Analysis #: **608176**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Freezing Point of Fatty Acids	≥53 (°C)	56.30000 °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 (%)	0.02000 %
Sulphates	0-0.5 (%)	0.03000 %
Heavy Metals (total)	0-10 (ppm)	5.00000 ppm
Lead(Pb)	0-2 (ppm)	0.20000 ppm
Arsenic(As)	0-3 (ppm)	0.20000 ppm
Nickel(Ni)	0-5 (ppm)	0.20000 ppm
Cadmium(Cd)	0-1 (ppm)	0.00600 ppm
Loss on drying(105°C)	0-4 (%)	2.60000 %
Magnesium(Mg)	4-5 (%)	4.79000 %
Sieve Residue at 200 mesh (75μ)	0-1 (%)	0.08000 %
bulk density	140-200 (g/L)	186.00000 g/L
Oxide	6.65-8.3 (%)	7.95000 %
Fatty Acid Composition(C18)	≥40 (%)	43.80000 %
Fatty Acid Composition(C16 + C18)	≥90 (%)	99.10000 %
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
Particle Size Distribution(typical)D10%	2.5-2.9 (μm)	2.70000 μm
Particle Size Distribution(typical) D50%	9.0-11.4 (μm)	10.00000 μm
Particle Size Distribution(typical)D90%	19.8-24.2 (μm)	21.30000 μm
Iron(Fe)	0-0.01 (%)	0.01000 %
Fatty Acid GC Retention Time	conforms	Conforms



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Parameter

ICP: Confirms Magnesium Component

Residual Solvents

Escherichia coli (Absent in 1 g)

Salmonella (absent in 10 g)

Appearance(M498313)

Limit Values

Confirmed

Pass

Pass

passes test

white solid

Result

Confirmed

Pass

Pass

Passes test

White Solid

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

John Su
QA & QC Manager