



DALIAN HANDOM CHEMICALS CO.,LTD.

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Certificate of Analysis

Product Name: Magnesium Stearate

Molecular Formula: C₃₆H₇₀MgO₄

Manufacturing Date: Jan 2nd, 2023

Quantity: 1340kg

Report Date: Jan 3rd, 2023

Batch No.: HDC20230102

Molecular Weight: 591.24

Retest Date: Jan 1st, 2025

Packing: 20kg/bag

Standard: USP43-NF38

Test Items	Specifications	Test Results
Characteristics	This product is a white, light and non-sandy fine powder with a slight peculiar smell; it is insoluble in water, ethanol or ether.	Conforms
Identification A	The tests for Magnesium	Conforms
Identification B	Meets the requirements	Conforms
Acidity or alkalinity	Meets the requirements	Conforms
Loss on Drying	Not more than 6.0%	4.7%
Chlorides	Not more than 0.1%	<0.1%
Sulphates	Not more than 1.0%	<1.0%
Lead(Pb)	Not more than 10 ppm	<10 ppm
Cadmium(Cd)	Not more than 1 ppm	<1 ppm
Nickel(Ni)	Not more than 5 ppm	<5 ppm
Stearic Acid	Not less than 40.0%	41.7%
Stearic Acid & Palmitic Acid	Not less than 90.0%	99.4%
Assay(Magnesium)	4.0% ~ 5.0%	4.7%
Total Plate Count	Not more than 1000 CFU/g	15 CFU/g
Moulds & yeasts	Not more than 500 CFU/g	<10 CFU/g
Escherichia coli	Negative	Not detected
Salmonella	Negative	Not detected
Specific surface area	/	4.5 m ² /g

Conclusion: The testing results of this batch are complied with the USP43-NF38 Standard.

Storage Conditions: Preserved in unopened original containers in a cool dry place before using; kept away from direct sunlight, heat and moisture.