

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Magnesium Stearate EP10
Batch Number	20241108
Manufacture Date	08-11-2024
Expiry Date	07-11-2028
Shelf Life	3 years

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	A white, very fine, light, powder,	Conforms
Identification	Conform Conforms	Conforms
Assay	The content of Mg: 4.0~5.0%	4.6%
Acid or alkalinity	Conform	Conforms
Chloride	$\leq 0.1\%$	$<0.1\%$
Sulfate	$\leq 1.0\%$	$<1.0\%$
Loss on drying	$\leq 6.0\%$	4.5%
Heavy metals	≤ 10 ppm Conforms	Conforms
Nickel	≤ 5 ppm Conforms	Conforms
Cadmium (Cd) (internal control)	≤ 1 ppm Conforms	Conforms
Lead (Pb) (internal control)	≤ 3 ppm Conforms	Conforms
Mercury (Hg) (internal control)	≤ 0.1 ppm Conforms	Conforms
Arsenic	< 1 ppm Conforms	Conforms
Total stearic acid and palmitic acid	$\geq 90.0\%$	99.5%
Stearic acid	stearic acid and palmitic acid $\geq 40.0\%$	42.1%

Microbiological Tests

Analysis Item	Specification	Result
Total aerobic microbial count	≤ 1000 cfu/g	20 cfu/g
Yeasts & Molds	≤ 100 cfu/g	< 10 cfu/g
Escherichia coli	Negative	Negative
Salmonella species	Negative	Negative

General Status

Irradiation	Non-irradiation	Conforms
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