



Material No.: 2257-06
Batch No.: 0000179125
Manufactured Date: 2016/12/01
Retest Date: 2021/11/30

Certificate of Analysis

Meets B.P. Chemical Specifications, Meets E.P. Chemical Specifications, Meets F.C.C. Requirements, Meets J.P. Chemical Specifications,
Meets N.F. Requirements,
GMP Manufactured Product, Food GMP Manufactured Product

Test	Specification	Result
NF – Assay (as as Mg) (dried basis)	4.0 – 5.0 %	4.8
NF – Stearic Acid	>= 40 %	67
NF – Stearic and Palmitic Acids	>= 90 %	98
NF – Identification A	Passes Test	PT
NF – Identification B	Passes Test	PT
NF – Acidity or Alkalinity	Passes Test	PT
NF – Microbiological	Passes Test	PT
NF – Total Aerobic Microbial Count (cfu/g)	<= 1000	< 10
NF – Total Mold and Yeast Count (cfu/g)	<= 500	< 10
NF – Salmonella Species (negative)	Passes Test	PT
NF – Escherichia Coli (negative)	Passes Test	PT
NF – Loss on Drying at 105°C	<= 6.0 %	3.4
Specific Surface Area, m ² /g	5.0 – 10.0	7.0
NF – Limit of Chloride	<= 0.1 %	< 0.1
NF – Limit of Sulfate	<= 1.0 %	< 1.0
NF – Cadmium (Cd)	<= 3 ppm	< 3
NF – Lead (Pb)	<= 10 ppm	< 10
NF – Nickel (Ni)	<= 5 ppm	< 5
EP/BP – Identification C	Passes Test	PT
EP/BP – Identification D	Passes Test	PT
EP/BP – Acidity or Alkalinity	Passes Test	PT
EP/ BP – Chloride (Cl)	<= 0.1 %	< 0.1

Test	Specification	Result
EP/BP – Sulfate (SO ₄)	<= 1.0 %	< 1.0
EP/BP – Cadmium (Cd)	<= 3 ppm	< 3
EP/BP – Lead (Pb)	<= 10 ppm	< 10
EP/BP – Nickel (Ni)	<= 5 ppm	< 5
EP/BP – Loss on Drying at 105°C	<= 6.0 %	3.4
Total Aerobic Microbial Count (cfu/g)	<= 1000	< 10
Escherichia Coli (negative)	Passes Test	PT
EP/BP – Assay (as as Mg) (dried basis)	4.0 – 5.0 %	4.6
Salmonella (absent)	Passes Test	PT
EP/BP – Stearic Acid	>= 40.0 %	66.6
EP/BP – Stearic and Palmitic Acids	>= 90.0 %	97.8
Total Mold and Yeast Count (cfu/g)	<= 100	< 10
JP – Identification	Passes Test	PT
JP – Acidity or Alkalinity	Passes Test	PT
JP – Chloride (Cl)	<= 0.1 %	< 0.1
JP – Sulfate (SO ₄)	<= 1.0 %	< 1.0
JP – Heavy Metals (as Pb)	<= 20 ppm	< 20
JP – Stearic Acid	>= 40 %	67
JP – Stearic and Palmitic Acids	>= 90 %	98
JP – Loss on Drying at 105°C	<= 6.0 %	3.4
JP – Microbiological	Passes Test	PT
JP – Total Aerobic Microbial Count (cfu/g)	<= 1000	< 10
JP – Total Mold and Yeast Count (cfu/g)	<= 500	< 10
JP – Salmonella Species (negative)	Passes Test	PT
JP – Escherichia Coli (negative)	Passes Test	PT
JP – Assay (as as Mg) (dried basis)	4.0 – 5.0 %	4.8
FCC – Identification A	Passes Test	PT
FCC – Identification B	Passes Test	PT
FCC – Assay (as MgO)	6.8 – 8.3 %	7.8
FCC – Lead (Pb)	<= 5 mg/kg	< 5
FCC – Loss on Drying at 105°C	<= 4.0 %	3.4
Thru U.S. No. 325 Sieve, For Information Only	%	100
Tapped Density (g/cc)	0.21 – 0.33	0.25
Apparent (Bulk) Density	0.07 – 0.17 g/cm ³	0.13
Particle Size (50th percentile) (µm)	10.5 – 16.5	11.5
Particle Size (90th percentile) (µm)	<= 35	24

Bulk Food Chemical
 Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging
No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC
Manufacturer: P0110001
Manufacturer source batch: 1612000002



Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610