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SPECIFICATION SHEET

Product Name	MAGNESIUM STEARATE
Grade	Vegetable Grade
Solvent Used	No class 1,2, and 3
TEST ITEMS	**SPECIFICATION**
Appearance	Conforms to standard
Identification Tests:	
Identification A (Identification D Ph. E)	Conforms to standard
Identification B (identification C Ph. E)	Conforms to standard
Congealing Point of Fatty Acids	53.0 – 90.0 ^{0}C
Acid Value of Fatty Acids	195.0 – 210 mgKOH/g
Loss On Drying (at 105 ^{0}C)	NMT 6.0%
Magnesium (Mg) Content	4.0 – 5.0%
Fatty Acid Composition:	
C18 (Stearic Acid)	40.00 – 100.00%
C16 + C18 (Palmitic + Stearic)	9.00 – 100.00%
Organic Volatile Impurities	Meets USP Standard
Acidity Or Alklinity (0.1 M)	Conforms to standard
Specific Surface Area	1.50 – 3.50 m^2/g
Nickel (Ni)	NMT 5 ppm
Lead (Pb)	NMT 2 ppm
Mercury (Hg)	NMT 1 ppm
Cadmium (Cd)	NMT 3 ppm
Arsenic (As)	NMT 3 ppm
Sulfates (SO_4)	NMT 0.5%
Chloride (Cl)	NMT 0.1%
Assay – MgO	6.630 – 8.290%
MICROBIOLOGICAL ANALYSIS	
Total Plate Count	NMT 1,000 cfu/g
Yeast & Mold	NMT 100 cfu/g
E. Coli.	Absent
Salmonella	Absent

Storage	Store in a clean, cool, dry place at room temperature.
Shelf Life	Three years if sealed and store away from direct sun light.

Note: The above information is based on the certificate of analysis received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by :_____
Abdullah Malik (QA)