

PRODUCT SPECIFICATION SHEET
Magnesium Stearate, Derived from Palm Oil, RSPO MB
Product Specification

Test	Specification	Typical Results
Identification A, Freezing point of Fatty Acids	Max 53 °C	<53°C
Identification B, Acid Value of Fatty Acids	198 - 210 mgKOH/g	Pass
Identification C, Fatty Acid GC Retention Time	Conforms to the retention time	Pass
Identification D for Magnesium	Passes the test	Pass
Fatty Acid Composition, C18	Min 40.0%	>40.0
Fatty Acid Composition, C16 + C18	Min 90.0%	>90.0
Acidity or Alkality (0.1M)	Max 0.05ml	<0.05
Chloride	Max 0.1%	<0.1
Sulphates	Max 0.5%	<0.5
Heavy metals (total)	Max 10 ppm	<10
Lead	Max 2 ppm	<2
Nickel	Max 5 ppm	<5
Cadmium	Max 1 ppm	<1
Magnesium	4.0 - 5.0%	4.5%
Loss on drying @105°C	Max 4.0%	<4.0
Oxide	6.65 - 8.30%	Pass
Sieve Residue 200 mesh (75µ)	Max 1.0%	<1.0
Residual Solvents	Passes the test	Pass
Bulk Density	140 - 200 g/L	Pass
Total aerobic microbial count	Max 1000 CFU/g	<1000
Mould and Yeast	Max 100 CFU/g	<100
Escherichia Coli	Absent/g	Absent
Salmonella	Absent/g	Absent

Appropriate/legal use of this product is the responsibility of the user.

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