

## Certificate of Analysis

(Representative Sample Certificate)

**Product Name:** Magnesium Stearate, USP  
**INCI Name:** Magnesium stearate  
**CAS Number:** 557-04-0  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 24 months from production date

Analytical Tests	Specifications	Results
Freezing Point of Fatty Acids	53° C MIN	55.9° C
Acid Value of Fatty Acids	198-210 mg KOH/g	208.0 mg KOH/g
GC Retention Times	-	Conforms
For Magnesium	-	Conforms
Acidity or Alkalinity (n/100)	0.05 MAX	0.05 mL
Chlorides	0.1% MAX	<0.1%
Sulphates	0.5% MAX	<0.5%
Heavy Metals (total)	20 ppm MAX	<5 ppm
Lead	2 ppm MAX	<0.4 ppm
Arsenic	3 ppm MAX	<0.4 ppm
Nickel	5 ppm MAX	<0.4 ppm
Cadmium	1 ppm MAX	<0.1 ppm
Loss on Drying @105° C	4% MAX	3.2%
Magnesium Content	4.0-5.0%	4.6%
Oxide	6.65-8.3%	7.64%
<b>Fatty Acid Composition</b>		
C <sub>18</sub>	40% MIN	43.9%
C <sub>16</sub> + C <sub>18</sub>	90% MIN	99.3%
Organic Volatile Impurities	To pass test	Pass

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

Total Aerobic Microbial Count	1000 CFU/g MAX	<10 CFU/g
Moulds & Yeasts	100 CFU/g MAX	<10 CFU/g
Escherichia coli	Absent/10g	Absent
Salmonella	Absent/10g	Absent
Staph Aureus	Absent/10g	Absent

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

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