

**Certificate of Analysis**  
**(Representative Sample Certificate)**

**Product Name:** Magnesium Stearate  
**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

Assay/Method	Specifications		Result
	Min.	Max.	
Freezing point of fatty acids	53	n/a	55.9°C
Acid value of fatty acids	198	210	208.0 mg KOH/g
Acidity or alkalinity (n/100)	n/a	0.5	0.1ml
Chlorides	n/a	0.1	<0.1%
Sulphates	n/a	0.5	<0.5%
Heavy Metals (total)	n/a	10	<5ppm
Loss on drying @105°C	n/a	4	2.3%
Magnesium content	4.0	5.0	4.6%
Oxide	6.65	8.3	7.67%
Fatty acid composition			
C <sub>18</sub>	40	n/a	43.6%
C <sub>16</sub> + C <sub>18</sub>	90	n/a	98.4%
Total aerobic microbial count	n/a	1000	<10 CFU/g
Moulds & yeasts	n/a	100	<10 CFU/g
Escherichia coli	n/a	Absent/10g	Absent
Salmonella	n/a	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.

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