

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

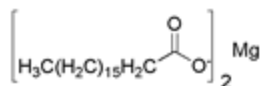
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## Product Specifications



<b>Catalogue Number</b>	00828
<b>Product</b>	<b>Magnesium stearate</b> <b>≥ 90% Stearic and Palmitic acid basis,</b> <b>≥ 40% Stearic acid basis, 4.0-5.0% Mg basis</b>
	Octadeconic acid magnesium salt
	Stearic acid magnesium salt
<b>CAS Number</b>	557-04-0
<b>Molecular Formula</b>	C <sub>36</sub> H <sub>70</sub> O <sub>4</sub> Mg
<b>Molecular Weight</b>	591.2
<b>Appearance</b>	White powder
<b>Surface Area</b>	≤ 7 m <sup>2</sup> /g
<b>Heavy Metals</b>	≤ 20 ppm
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): ≤ 0.1% Sulfate (SO <sub>4</sub> <sup>2-</sup> ): ≤ 0.5%
<b>Cation</b>	Lead (Pb): ≤ 2 ppm Arsenic (As): ≤ 3 ppm Nickel (Ni): ≤ 5 ppm Cadmium (Cd): ≤ 1 ppm Magnesium (Mg): 4.0-5.0%
<b>Acidity &amp; Alkalinity</b>	≤ 0.05 mL in 0.1 M solution
<b>Yeast and Mold</b>	≤ 100 CFU/g
<b>Fatty acids &amp; Esters</b>	Stearic acid (C18): ≥ 40% Stearic + Palmitic acid (C18 + C16): ≥ 90%
<b>Residual Solvents</b>	No solvent used
<b>E. Coli</b>	Absent / 10g
<b>Microbial Count</b>	≤ 1000 CPU/g (Total aerobic)
<b>Salmonella</b>	Absent / 10g

# *Product Specifications*

**Catalog Number: 00828**

---

<b>Mesh Size</b>	Sieve residue @ 200 mesh = 1.0%
<b>Grade</b>	USP/NF/EP/BP/JP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification test: Freezing point of fatty acids: $\geq 53$ °C Acid value of Fatty acids: 198-210 mg KOH/g GC retention time: Conforms Test fo Magnesium: Conforms Oxide = 6.65-8.3%

**For Laboratory Use Only**