

## PRODUCT Magnesium Stearate Ph. Eur.

CAS number [557-04-0]

**DEFINITION** Compound of magnesium with a mixture of solid organic acids and consisting mainly of variable proportions of magnesium stearate and magnesium palmitate obtained from sources of vegetable or animal origin.

**CHARACTERISTICS** White or almost white, very fine, light powder, greasy to the touch. Practically insoluble in water and in anhydrous ethanol.

TEST	SPECIFICATION
<b>Magnesium content</b>	4.0% to 5.0%
<b>Stearic Acid and fatty acid fraction</b>	Minimum 40.0%
<b>Stearic Acid + Palmitic Acid in fatty acid fraction</b>	Minimum 90.0%
<b>Identification</b>	Conforms to Ph. Eur. tests
<b>Acidity or alkalinity</b>	As per Ph. Eur. test: Not more than 0.05 mL of 0.1 M hydrochloric acid or 0.1 M sodium hydroxide is required to change the colour of the indicator
<b>Chlorides</b>	Maximum 0.1%
<b>Sulfates</b>	Maximum 1.0%
<b>Cadmium</b>	Maximum 3ppm
<b>Lead</b>	Maximum 10ppm
<b>Nickel</b>	Maximum 5ppm
<b>Arsenic</b>	Maximum 3ppm
<b>Mercury</b>	Maximum 1ppm
<b>Loss on drying</b>	Maximum 6.0%
<b>Microbial contamination</b>	TAMC Not more than $10^3$ CFU/g TYMC Not more than $10^2$ CFU/g E. Coli Absent Salmonella Absent

**ENQUIRY**