



**NAME OF PRODUCT: MAGNESIUM STEARATE - USP**

SR.NO	TEST	LIMIT
1	Description	Very fine, light, white powder, slippery to touch.
2	Solubility	Insoluble in water, in alcohol, and in ether.
3	Identification: Identification A Magnesium  Identification B	<191>A) White crystalline precipitate, which is insoluble in 6N ammonium hydroxide is formed  B) The retention time of peak corresponding to stearic acid and palmitic acid of the sample solution, as obtained in the test for relative content of stearic acid and palmitic acid
4	Acidity or alkalinity	NMT 0.05 ml 0.1 M HCL or 0.1 M NaOH is required to change the color of the indicator.
5	Loss on drying <731>	NMT 6.0%
6	Chlorides <221>	NMT 0.1%
7	Sulfate <221>	NMT 1.0%
8	Lead	NMT 10 ppm
9	Nickel	NMT 5.0ppm
10	Cadmium	NMT 3.0ppm
11	Assay (Mg)	4.0% to 5.0%
12	Fatty acid composition Stearic Acid Sum of stearic acid & Palmitic acid	NLT 40% NLT 90%
13	Microbial enumeration tests <61> and Tests for specified microorganisms <62>	
	Total aerobic microbial Count	NMT 1000 CFU/g
	Total combined molds and yeasts	NMT 500CFU/g
	Salmonella species	Absent
	E.coli	Absent