



**PRODUCT: MAGNESIUM STEARATE**

ITEMS	SPECIFICATIONS
<b>DESCRIPTION</b>	Very fine, light white powder, slippery to touch
<b>SOLUBILITY</b>	Insoluble in water, in alcohol and in ether
<b>IDENTIFICATION</b>	a) Solution should give test for "Magnesium" b) The retention times of the peaks correspond to those in the chromatogram of the system suitability solution, as obtained in the relative content of stearic acid and palmitic acid test
<b>MICROBIAL LIMITS</b> <ul style="list-style-type: none"> <li>➤ Total viable aerobic count</li> <li>➤ Total yeast and moulds count</li> <li>➤ Salmonella species</li> <li>➤ Escherichia coli</li> </ul>	NMT 1000 cfu/g NMT 500 cfu/g Should be absent Should be absent
<b>ACIDITY OR ALKALINITY</b>	NMT 0.05 ml of 0.1N hydrochloric acid or 0.1N sodium hydroxide is required to change the colour of the indicator
<b>LOSS ON DRYING</b>	NMT 6.0% w/w, at 105°C
<b>LIMIT OF CHLORIDE</b>	NMT 0.1% w/w
<b>LIMIT OF SULPHATE</b>	NMT 1.0% w/w
<b>LEAD</b>	NMT 0.001% w/w
<b>RELATIVE CONTENT OF STEARIC ACID AND PALMITIC ACID</b> <ul style="list-style-type: none"> <li>➤ Stearic acid</li> <li>➤ Sum of the stearic and palmitic acid</li> </ul>	NLT 40% w/w NLT 90% w/w
<b>ASSAY</b>	4.0%~5.0% w/w("Mg", calculated on dried substance)