

PRODUCT: MAGNESIUM STEARATE

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