

06/12/2013

MAGNESIUM STEARATE EUR. PHAR.

Code: MGS-EPH

Revision date: 6 December 2013

Notes: Complies with the current version of the USP/NF/EP; BP, JPXIII.
Customized Specification

TECHNICAL SPECIFICATIONS:

Aspect		FINE POWDER		
Color		WHITE		
Odor		SLIGHTLY FATTY (typical as standard)		
Assay		Unit	Min	Max
Identification Test	A Freezing point of Fatty Acids	°C	53	--
	B Acid Value of Fatty Acids	mg KOH/g	198	210
	C GC Retention Time		conforming	
	D for Magnesium		conforming	
Acidity or Alkalinity (0.1M)		ml	--	0.05
Chloride		%	--	0.1
Sulphates		%	--	0.5
Heavy Metals (Total)		ppm	--	10
Lead		ppm	--	0.5
Arsenic		ppm	--	1
Nickel		ppm	--	5
Cadmium		ppm	--	0.5
Mercury		ppm	--	0.1
Loss on drying 105°C		%	--	4.0
Magnesium Content		%	4.0	5.0
Oxide		%	6.65	8.3
Fatty Acid Composition	C ₁₈	%	40.0	--
	C ₁₆ + C ₁₈	%	90.0	--
Organic volatile impurities		--	To pass test	
Total aerobic microbial count		CFU/g	1000	
Mould and Yeast		CFU/g	100	
Escherichia Coli		--	Absent/10g	
Salmonella		--	Absent/10g	
Staph Aureus		--	Absent/10g	
Surface Area		m ² /g	--	7.0

Quality Control

