

MAGNESIUM STEARATE EUR. PHAR.

CODE: MGS-EPH

LAST REVISION DATE: 30 January 2021

REVIEWED DATE: 22 February 2024

Notes: Complies with the current version of the USP/NF/EP/BP/JP/ChP

TECHNICAL SPECIFICATIONS:

Assay		Unit	Min	Max	Method
Identification Test	A Freezing point of Fatty Acids	°C	53	--	MFACIo52
	B Acid Value of Fatty Acids	mg KOH/g	198	210	MFACIo10
	C Fatty Acid GC Retention Time		conforming		MFACI360
	D for Magnesium		conforming		MFACIo65
Acidity or Alkalinity (0.1M)		ml	--	0.05	MFACIo10
Chloride		%	--	0.1	MFACI470
Sulphates		%	--	0.5	MFACI470
Heavy Metals (Total)		ppm	--	10	MFACI390
Lead		ppm	--	2	MFACI390
Nickel		ppm	--	5	MFACI390
Cadmium		ppm	--	1	MFACI390
Loss on drying 105°C		%	--	4.0	MFACIo20
Magnesium content		%	4.0	5.0	MFACIo60
Sieve Residue 200 mesh (75µ)		%	--	1.0	MFACIo30
Bulk Density		g/L	140	200	MFACIo40
Oxide		%	6.65	8.3	MFACIo60
Fatty Acid Composition	C ₁₈	%	40.0	--	MFACI360
	C ₁₆ + C ₁₈	%	90.0	--	MFACI360
Residual solvents		--	to pass test		MFACIo25
Total aerobic microbial count		CFU/g	1000		MFACI960
Mould and Yeast		CFU/g	100		MFACI960
Escherichia Coli		--	Absent/g		MFACI960
Salmonella		--	Absent/10g		MFACI960

Quality Control