



FACI ASIA PACIFIC PTE LTD
 發 基 亞 太 私 人 有 限 公 司

R#15148
 RI0004
 10-28-22

CERTIFICATE OF ANALYSIS

Certificate Issue Date : 10 March 2022

Product: **MAGNESIUM STEARATE EUR PHAR**
 (MAGNESIUM STEARATE NF/EP VEGETABLE GRADE KOSHER) (RSPO-MB)
 (RSPO Certification Number: BVC-RSPO-20140718-1)

Batch: **MGSV1220018**

Notes:

According to: the current version of the USP/NF/EP/BP/JP/ChP

No class 1, 2, and 3 solvents are used in the process
 Manufacturing Date : 01-February-2022

No. of Pallets: 5
 Quantity: 4500 kg

Expiry Date : **31-January-2024**
 Shelf Life : 2 years

Aspect **FINE POWDER**, greasy (slippery) to the touch

Color **WHITE**

Odor **SLIGHTLY FATTY** (typical as standard)

Assay		Method	Unit	Min	Max	Result
Identifica- tion Test	A Freezing Point of Fatty Acids	MFACIo52	°C	53	--	55.9
	B Acid Value of Fatty Acids	MFACIo10	mg KOH/g	198	210	208.0
	C Fatty Acid GC Retention Time	MFACI360	--	Conforming		Conforming
	D for Magnesium	MFACIo65	--	Conforming		Conforming
Acidity or Alkalinity (0.1M)		MFACIo10	ml	--	0.05	0.01
Chlorides		MFACI470	%	--	0.1	<0.1
Sulphates		MFACI470	%	--	0.5	<0.5
Heavy Metals (total)		MFACI390	ppm	--	10	<5
Lead		MFACI390	ppm	--	0.43	<0.4
Arsenic		MFACI390	ppm	--	1	<0.4
Nickel		MFACI390	ppm	--	3	<0.4
Cadmium		MFACI390	ppm	--	0.5	<0.1
Mercury		MFACI390	ppm	--	0.1	<0.01
Loss on Drying @ 105°C		MFACIo20	%	--	4	2.9
Magnesium Content		MFACIo60	%	4.0	5.0	4.8
Oxide		MFACIo60	%	6.65	8.3	7.91
Fatty Acid Composition	C ₁₈	MFACI360	%	40	--	43.3
	C ₁₆ + C ₁₈	MFACI360	%	90	--	99.2
Residual Solvents		MFACIo25	--	To Pass Test		Passed
Total Aerobic Microbial Count		MFACI960	CFU/g	--	1000	<10
Mould & Yeast		MFACI960	CFU/g	--	100	<10
Escherichia Coli		MFACI960	--	Absent/g		Absent
Salmonella		MFACI960	--	Absent/10g		Absent
Staph Aureus		MFACI960	--	Absent/g		Absent
Surface Area		--	m ² /g	--	7	<7.0
Sieve Residue @ 200 mesh (75µ)		MFACIo30	%	--	1.0	0.6
Bulk Density		MFACIo40	g/L	140	200	194



LAB QUALITY CONTROL

