



M.L.A. Industries Pvt. Ltd. (Pharma Division)

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(Drug License No. UP78250000012)

(Food Safety & Drug Administration - Govt. of Uttar Pradesh)

CERTIFICATE OF ANALYSIS

CUSTOMER : M/s	INVOICE : sample
PRODUCT : ALUMINIUM STEARATE	GRADE : EP
BATCH NO. : AS-19E022023	DATE : 01/03/2023
Date of MFG. : 19/02/2023	Date of EXP : 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	TEST VALUE
Appearance	-	white or almost white, very fine light powder	Complies to EP
Solubility	-	Practically insoluble in water and in anhydrous ethanol.	Complies to EP
Identification	-	A. Freezing point : minimum 53 °C B. Acid value : 195 to 210, C. Examine the chromatograms obtained in the assay of stearic acid and palmitic acid. D. Solution S gives the reaction of Aluminium.	A - 57°C B - 204 C - Passes D - Passes
Acidity or alkalinity		Not more than 0.05 ml of 0.1 M hydrochloric acid or 0.1 M sodium hydroxide is required to change the colour of the indicator.	Passes
Chloride	%	NMT 0.1	Passes
Sulfates	%	NMT 0.5	<0.5
Cadmium	ppm	NMT 3	0.96
Lead	ppm	NMT 10.0	4.14
Nickel	ppm	NMT 5.0	1.24
Loss on drying	%	NMT 6.0	3.80
Microbial contamination	CFU/g	TAMC: acceptance criterion 10 ³ CFU/g TYMC: acceptance criterion 10 ² CFU/g Absence of Escherichia coli Absence of Salmonella	Passes
Assay	%	3.0 – 9.0 % (dried Substance)	8.16

Tested by Chemist	Checked by QA	Approved by Lab Head
Mr. Gaurav Sen	Mr. Prince Srivastava	Mr. Ujjval Tiwari

