

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

111/230, HARSH NAGAR, KANPUR, Tel. : (0512)-2555292

Website: www.mlagroup.com, E-mail: sales@mlagroup.com

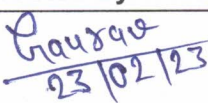
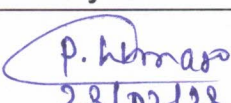
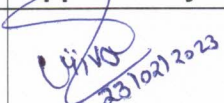
(Drug License No. UP78250000012)

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

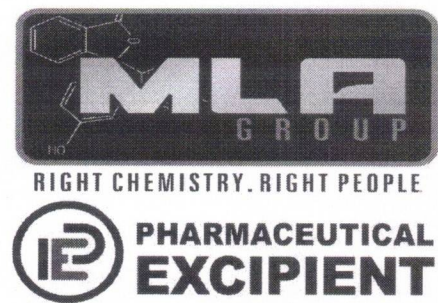
CERTIFICATE OF ANALYSIS

CUSTOMER : M/s	INVOICE :
PRODUCT : Glyceryl Monostearate	GRADE : IP
BATCH NO. : GMS-17D022023	DATE : 23/02/2023
Date of MFG : 17/02/2023	Date of EXP : 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	TEST VALUE
Description	-	A White Or Almost White , Hard , Waxy , mass or Unctuous powder or flakes ; almost odourless	Complies With IP
Identification A	-	A - Passes	A - Pass
Identification B	-	B - Residue melts At 54 °C to 64 °C	B - 59
Acid value	-	Not more than 5.0	2.2
Saponification value	-	between 155 and 170.	162
Iodine value	-	Not more than 5.0	1.24
Sulphated Ash	%	not more than 0.1	<0.1
Water	%	not more than 2.0	0.80
Assay			
A – monoglycerides -	-	A – NLT 35.0 %	A – 38.6
B - free glycerin	-	B - NMT 7.0 %	B - 1.28

Tested by Chemist	Checked by QA	Approved by Lab Head
 23/02/23	 23/02/23	 23/02/2023
Mr. Gaurav Sen	Mr. Prince Srivastava	Mr. Ujjval Tiwari



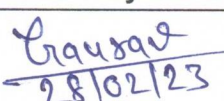
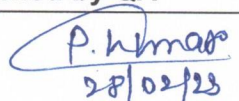
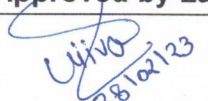


M.L.A. Industries Pvt. Ltd. (Pharma Division)
Regd. Office : 111/230,HARSH NAGAR, KANPUR,Tel. : (0512)-2555292
Factory Address : D-7B , D-8 & D-16, Panki Industrial Area, Site-1, Kanpur, Uttar Pradesh 208022
Website:www.mlagroup.com, E-mail:sales@mlagroup.com
(Drug License No. UP78250000012)
(Food Safety & Drug Administration – Govt. of Uttar Pradesh)

CERTIFICATE OF ANALYSIS

CUSTOMER : M/s	INVOICE : Sample
PRODUCT : Glyceryl Monostearate	GRADE : Conforming With USP
BATCH NO. : GMS - 17C012023	DATE : 28/02/2023
Date of MFG : 17/01/2023	Date of EXP : 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	TEST VALUE
Description	-	White to yellowish wax-like solid; or white to yellowish wax-like beads, flakes, or powder. Slight, agreeable, fatty odor and taste. Is affected by light.	Complies With USP
Solubility	-	Dissolves in hot organic solvents such as alcohol, minerals or fixed oils, benzene, ether, and acetone. Insoluble in water, but it may be dispersed in hot water with the aid of a small amount of soap or other suitable surface-active agent.	Complies With USP
Melting range	°C	does not melt below 55°C	58
Acid value	-	not more than 6.0	2.4
Hydroxyl value	-	between 290 and 330	307
Iodine value	-	not more than 3.0	1.24
Saponification value	-	between 150 and 165.	159
Residue on ignition	%	not more than 0.5	<0.5
Heavy metals	%	not more than 0.001 %.	<0.001
Limit of free glycerin	%	1.2	Complies With USP
Assay for monoglycerides	-	Not less than 90.0 percent of monoglycerides of saturated fatty acids	92.4

Tested by Chemist	Checked by QA	Approved by Lab Head
 28/02/23	 28/02/23	 28/02/23
Mr. Gaurav Sen	Mr. Prince Srivastava	Mr. Ujjval Tiwari

