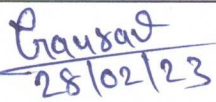
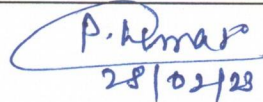
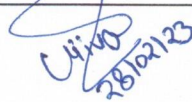


**M.L.A. Industries Pvt. Ltd. (Pharma Division)**  
Regd. Office : 111/230,HARSH NAGAR, KANPUR,Tel. : (0512)-2555292  
Factory Address : D-7B , D-8 & D-16, Panki Industrial Area, Site-1, Kanpur, Uttar Pradesh 208022  
Website:www.mlagroup.com, E-mail:sales@mlagroup.com  
( Drug License No. UP78250000012)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

**CERTIFICATE OF ANALYSIS**

CUSTOMER : M/s	INVOICE : Sample
PRODUCT : Bentonite	GRADE : USP
BATCH NO. : BN -17A012023	DATE : 28/02/2023
Date of MFG : 17/01/2023	Date of EXP: 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	TEST VALUE
Identification	-	Passes	Pass
Microbial limits	-	Absence of Escherichia coli	Escherichia coli Absent
pH	-	9.5 and 10.5	9.7
Loss on drying @ 105° for 2	%	5.0 – 8.0	6.1
Arsenic	ppm	NMT 5.0 ppm	< 5.0
Lead	ppm	NMT 40.0 ppm	< 40.0
Gel formation	-	Not more than 2 mL of supernatant appears on the surface	Passes
Swelling power	-	The mass at the bottom gradually swells until it occupies an apparent volume of not less than 24 mL at the end of a 2-hour period.	Passes
Fineness of powder	-	No grit is felt when the fingers are rubbed over the wire mesh of the sieve.	Passes

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



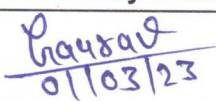
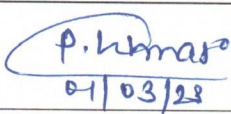
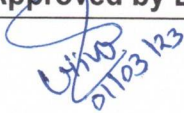


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**CERTIFICATE OF ANALYSIS**

CUSTOMER :	INVOICE :
PRODUCT : Bentonite	GRADE : JP
BATCH NO. BN -08B022023	DATE : 01/03/2023
Date of MFG: 08/02/2023	Date of EXP: 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	TEST VALUE
Description	-	Bentonite occurs as a very fine, white to light yellow-brown powder. It is odorless. It has a slightly earthy taste.	Complies with JP
Solubility	-	It is practically insoluble in water and in diethyl ether.	Complies with JP
Identification	-	Test A – a-white, gelatinous precipitate is produced, which turns red on the addition of 5 drops of alizarin red S TS.  Test B- residue with additional of Methylene Blue trihydrate is blue in colour.	Test A - Pass  Test B - Pass
P.H	-	9.0 - 10.5.	9.6
PURITY			
Heavy metals (Lead)	ppm	Not More than 50.0 ppm	< 50.0
Arsenic	ppm	Not More than 2.0 ppm	<2.0
Foreign matter	-	No grit is felt when rubbing finger on 200 mesh sieve after sieving is completed.	Complies with JP
Loss on drying	%	5.0 - 10.0 % (2 g, 105°C, 2 hours).	6.8
Gel formation	-	Test should passes	Complies with JP
Swelling power	-	the apparent volume of the sediment at the bottom is not less than 20 mL.	Complies with JP

Tested by Chemist	Checked by QA	Approved by Lab Head
 01/03/23	 01/03/23	 01/03/23
Mr. Gaurav Sen	Mr. Prince Srivastava	Mr. Ujval Tiwari

