



RIGHT CHEMISTRY. RIGHT PEOPLE



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

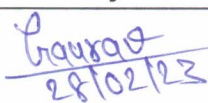
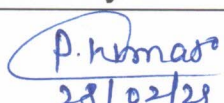
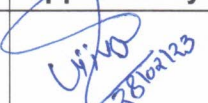
(Drug License No. UP7825000012)

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

CERTIFICATE OF ANALYSIS

CUSTOMER : M/s	INVOICE : sample
PRODUCT : CALCIUM HYDROXIDE (Hydrated lime)	GRADE : BP
BATCH NO. : CH-16F022023	DATE : 28/02/2023
Date of MFG. : 16/02/2023	Date of EXP: 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	TEST VALUE
<i>Appearance</i>	-	White or Almost white ,fine powder .	Passes
<i>Solubility</i>	-	Practically Insoluble in water	Complies with BP
<i>Identification</i>	-	A. On addition of a further 6 mL of 1 M hydrochloric acid and triturating, the solution becomes colourless. B. . Dissolve about 0.1 g in dilute hydrochloric acid R and dilute to 10 mL with water R. 5 mL of the solution give reaction (b) of calcium.	Passes Passes
<i>Matter Insoluble In Hydrochloric Acid</i>	Mg	NMT 2 Mg / 2.0 gm	Absent /2.0 gm
<i>carbonate</i>	-	Max. 5.0 % of cao3	1.26
<i>Chloride</i>	ppm	NMT 330	< 330
<i>Sulfates</i>	%	NMT 0.4	< 0.4
<i>Arsenic</i>	ppm	NMT 4.0	< 4.0
<i>Magnesium and alkali metals</i>	%	NMT 1.0	0.47
<i>Assay</i>	%	95.0 – 100.5	96.36

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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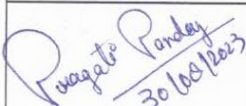
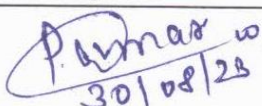
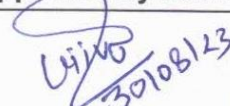
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(Drug License No. UP78250000012)
(Food Safety & Drug Administration - Govt. of Uttar Pradesh)

CERTIFICATE OF ANALYSIS

CUSTOMER : M/s	INVOICE : Sample
PRODUCT : CALCIUM HYDROXIDE (Hydrated lime)	GRADE : Conforming With USP
BATCH NO. : CC-09F082023	DATE : 30/08/2023
Date of MFG. : 09/08/2023	Date of EXP : 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	TEST VALUE
Appearance	-	White or Almost white, fine powder.	Passes
Solubility	-	Practically Insoluble in water	Passes
Identification	-	A - It forms a smooth magma. The clear supernatant from the magma is alkaline to litmus.	A - Passes
		B - The resulting solution responds to the tests for Calcium $\langle 191 \rangle$.	B - Passes
Assay	%	Calcium Hydroxide contains NLT 95.0% and NMT 100.5% of calcium hydroxide $[\text{Ca}(\text{OH})_2]$.	96.14
LIMIT OF MAGNESIUM AND ALKALI SALTS		NMT 12 mg (4.8%)	6
LIMIT OF ACID-INSOLUBLE SUBSTANCES		NMT 10 mg.	4
CARBONATE		The Analysis does not cause more than a slight effervescence.	Passes
Heavy metals	ppm	NMT 20.0	<20.0

Tested by Chemist	Checked by QA	Approved by Lab Head
 30/08/2023	 30/08/23	 30/08/23
Ms. Pragati Pandey	Mr. Prince Srivastava	Mr. Ujjval Tiwari





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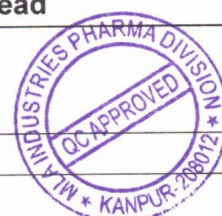
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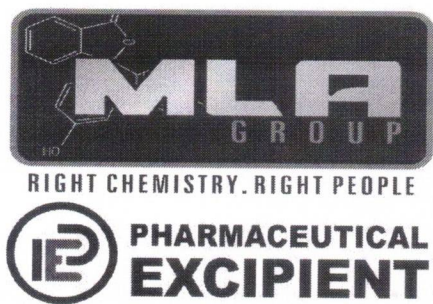
CERTIFICATE OF ANALYSIS

CUSTOMER : M/s	INVOICE : SAMPLE
PRODUCT : Calcium hydroxide (Hydrated Lime)	GRADE : EP
BATCH NO. : CH- 24E022023	DATE : 01/03/2023
Date of MFG. : 24/02/2023	Date of EXP : 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	Test value
Description	-	white or almost white, fine powder.	Complies with EP
Solubility	-	Practically insoluble in water.	Complies with EP
Identification	-	A. On addition of a further 6 mL of 1 M hydrochloric acid and triturating, the solution becomes colourless. B. . Dissolve about 0.1 g in dilute hydrochloric acid R and dilute to 10 mL with water R. 5 mL of the solution give reaction (b) of calcium.	Passes Passes
Carbonates	%	NMT 5.0 %	3.54
Chloride	ppm	NMT 330 ppm	< 330
Sulfates	%	NMT 0.4%	< 0.4
Arsenic	ppm	NMT 4 ppm	< 4.0
Magnesium and Alkali Metals	%	NMT 4 %	2.42
Heavy metals	ppm	NMT 200 ppm	< 200
Assay	%	contains not less than 95.0- 100.5 %	97.6

Tested by Chemist	Checked by QA	Approved by Lab Head
<i>Gaurav</i> 01/03/23	<i>P. Kumar</i> 01/03/2023	<i>Ujjwal</i> 01/03/23
Mr. Gaurav Sen	Mr. Prince Srivastava	Mr. Ujjwal Tiwari



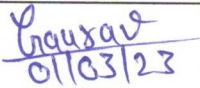
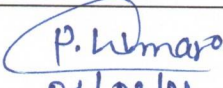
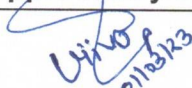


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CERTIFICATE OF ANALYSIS

CUSTOMER : M/s	INVOICE : Null
PRODUCT : Calcium Hydroxide (Hydrated lime)	GRADE : JP
BATCH NO. : CH-28A012023	DATE : 01/03/2023
Date of MFG. : 28/01/2023	Date of EXP : 5 years from MFG

PROPERTY	UNIT	SPECIFICATIONS	TEST VALUE
Description	-	Calcium Hydroxide occurs as a white powder. It has a slightly bitter taste. It absorbs carbon dioxide from air	Complies to JP
SOLUBILITY	-	It is practically insoluble in water, in ethanol (95) and in diethyl ether. It dissolves in dilute acetic acid, in dilute hydrochloric acid and in dilute nitric acid.	Complies to JP
Identification	-	Test A – Mix Calcium Hydroxide with 3 to 4 times its mass of water: the mixture is slushy and is alkaline.	Passes
		Test B - Dissolve 1 g of Calcium Hydroxide in 30 mL of dilute acetic acid, and boil. After cooling, neutralize with ammonia TS: the solution responds to the Qualitative tests (2) and (3) for calcium salt.	Passes
Acid-soluble substances	mg	NMT 25 mg	Passes
Heavy metals As Pb	ppm	NMT 40 ppm	Passes
Magnesium and alkali metals	mg	mass of the residue does not exceed 24 mg.	Passes
Arsenic	ppm	NMT 4 ppm	Passes
Assay	%	NLT 90.0% of Ca(OH)2.	94.4

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. Ujjval Tiwari

