

**FINISHED PRODUCT: CERTIFICATE OF ANALYSIS**

**DEPARTMENT : QUALITY CONTROL**




<b>Ref .SOP No</b>	QC/017, Rev – 00	<b>Format No. :</b> QC/017/F/02-00
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<b>Name of product</b>	: CALCIUM HYDROXIDE JP		
<b>Chemical Formula:</b> Ca(OH) <sub>2</sub>	<b>Molecular Weight:</b> 74.1 gm/mol	<b>CAS No :</b> 1305-62-0	
<b>HSN Code</b>	28259040	<b>Batch Number</b>	002001B23
<b>Date of sampling</b>	16/02/2023	<b>Date of Manufacture</b>	FEB.-2023
<b>Sample Quantity</b>	100 gm	<b>Date of Expiry</b>	5 Years after Mfg. date
<b>Date of Analysis</b>	16/02/2023		
<b>Date of Release</b>	17/02/2023		
<b>Mfg. Lic. No.</b>	G/25/2513		

Sr. No.	Test	Observation	Specification
1.	Appearance	<b>White Powder.</b>	White powder. It has a slightly bitter taste.
2.	Solubility	<b>Slightly soluble in water, very slightly soluble in boiling water, and practically insoluble in ethanol (95 %) and in diethyl ether.</b>	Slightly soluble in water, very slightly soluble in boiling water, and practically insoluble in ethanol (95 %) and in diethyl ether.
3.	<b>Identification (1)</b> The Mixture is Slushy and is Alkaline. <b>Identification (2)</b> Responds to the Qualitative tests (2) and (3) for calcium salt	<b>Complies</b>  <b>Complies</b>	To pass test  To pass test
4.	Acid-insoluble substances	<b>Complies</b>	The mass is not more than 25 mg
5.	Heavy metals	<b>Complies</b>	Max. 40 ppm
6.	Magnesium and alkali metals	<b>Complies</b>	The mass of the residue does not exceed 24 mg
7.	Arsenic (As)	<b>Complies</b>	Max. 4 ppm
8.	Assay %	<b>95.42 %</b>	Min. 90.0 %

**Storage Condition** : Preserve in tight containers.

**Remarks:** The above product complies with above specification.

	Prepared By/Analyzed by	Approved by
<b>Signature</b>		 

<b>Date</b>	16/02/2023	17/02/2023
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