

**FINISHED PRODUCT: CERTIFICATE OF ANALYSIS**


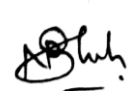

**DEPARTMENT : QUALITY CONTROL**

<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 SULPHATE DIHYDRATE LR		
<b>Chemical Formula</b> : CaSO <sub>4</sub> .2H <sub>2</sub> O	<b>Molecular Weight</b> : 172.2 gm/mol.	<b>CAS No</b> : 10101-41-4	
<b>HSN Code</b>	28332990	<b>Batch Number</b>	022001L22
<b>Date of sampling</b>	14/12/2022	<b>Date of Manufacture</b>	DEC.-2022
<b>Sample Quantity</b>	100.00 Gms.	<b>Date of Expiry</b>	5 Years after Mfg. date
<b>Date of Analysis</b>	14/12/2022		
<b>Date of Release</b>	15/12/2022		
<b>Mfg. Lic. No.</b>	G/25/2513		

Sr. No.	Test	Observation	Specification
1.	Appearance	<b>White Powder</b>	White powder.
2.	Solubility	<b>Very slightly soluble in water</b>	Very slightly soluble in water
3.	Test Solution (5 gm in 50 ml HCl + 145 ml Water, boil)	<b>Solution is clear and colorless</b>	Solution is clear and colorless
4.	pH (2% w/v aq. slurry in water)	<b>Pass Test</b>	5.0 – 7.5
5.	Loss on ignition at 700°C	<b>20.79 %</b>	20.5% to 21.5%
6.	Carbonate as CO <sub>3</sub>	<b>Pass Test</b>	Max. 0.2%
7.	Chloride as Cl	<b>Pass Test</b>	Max. 0.02%
8.	Iron as Fe	<b>Pass Test</b>	Max. 0.005%
9.	Assay	<b>98.25 %</b>	NLT 98.0% of CaSO <sub>4</sub> .2H <sub>2</sub> O
<b>Storage Condition</b>		: Preserve in well-closed containers.	

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

	<b>Prepared By/Analyzed by</b>	<b>Approved by</b>
<b>Signature</b>		 
<b>Date</b>	14/12/2022	15/12/2022