



**JK LAKSHMI CEMENT QUALITY CONTROL LABORATORIES (JKLCL-QCL)**

JAYKAYPURAM-307019 Dist-SIROHI

TEST REPORT FOR JK LAKSHMI PPC

TEST REPORT

LICENSE NO-CM/L-1234838



TC-5708

ULR NO.5708250000000548F

PARTY NAME/ADDRESS:JK LAKSHMI CEMENT LTD, PACKING PLANT

DATE OF SAMPLE RECEIVING-16.04.2025

DATES OF TESTING-16.04.2025

SAMPLE ID WEEK NO.15 ( 09.04.2025 to 15.04.2025 )

DATE OF ISSUE-23.04.2025

CHEMICAL/PHYSICAL REQUIREMENTS	TEST METHOD	REQUIREMENT AS PER IS:1489:2015 (PART-I) AMENDMENT NO.6	RESULTS OBTAINED
<b>CHEMICAL REQUIREMENTS:-</b>		6	
(i) Loss on ignition, percent by mass, Max.	IS-4032-7.1	5.0	2.34
(ii) Magnesia, percentage by mass, Max	IS-4032-7.2	6.0	2.37
(iii) Sulphuric Anhydride (SO <sub>3</sub> ), percent by mass, Max	IS-4032-7.3	3.5	2.35
(iv) Insoluble Residue, percent by mass Max.	IS-4032-7.4	4(100-x) x+----- 100 (x=where x is the declare % age of Fly Ash)	23.79
(v) Insoluble Residue, percent by mass Min	IS-4032-4.10	0.6x	15.0
(vi) Declared % of Fly Ash **		Not less than 15% and Not more than 35%	28.00 +/-3.00
(vii) Chloride, percent by mass	IS-4032-4.13 AND - 02/2020	Not more than 0.1	0.039
<b>PHYSICAL REQUIREMENTS :</b>		7	
(I) FINENESS :	IS-4031 PART-II 2018		
SP: SURFACE		Not less than 300 m <sup>2</sup> /kg	356
(II) SOUNDNESS :			
A) Le-chatelier method Expansion	IS-4031-PART-III 2019	Not more than 10 mm	0.50
b) Auto clamp test expansion	IS-4031-PART-III 2019	Not more than 0.8%	0.056
(III) SETTING TIME			
A) Initial Setting time in Minutes	IS-4031-PART-V 2019	30 minutes, minimum	145
b) Final Setting time in Minutes	IS-4031-PART-V 2019	600 minutes, maximum	190
<b>COMPRESSIVE STRENGTH</b>	IS-4031-PART-VI 2019		
72 ± 1 Hours (3 Days)		16 Mpa, Min	24.5
168 ± 2 Hours (7 Days)		22 Mpa, Min	34.0
672 ± 4 Hours (28 Days)		33 Mpa, Min	UNDER TESTING
Drying Shrinkage	IS-4031-PART-X 2019	Not be more than 0.15%	UNDER TESTING

REMARKS: The Test results comply with the requirements of IS:1489:2015 (PART-I) for PPC all Chemical and Physical Requirements. All the test carried out at 27±2°C temp. & humidity min. 65%. Protocol:IS:4032 and IS:4031.

Note: Results reported above are the average test results of all samples testing during relevant week. All the results are related with the sample as provided by the plant & sample condition was satisfactory. The report shall not be reproduced except in full or part without approval of the laboratory can provide assurance that parts of a report are not taken out of context. Retention period of the sample shall be upto 35 days.

CERTIFIED  
ISO 9001:2015  
ISO 14001:2015  
OHSAS 18001:2007  
EnMS ISO 50001:2011

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End of Report