



JK LAKSHMI CEMENT QUALITY CONTROL LABORATORIES (JKLCL-QCL)

JAYKAYPURAM-307019 Dist-SIROHI

TEST REPORT FOR JK LAKSHMI OPC 53 GRADE

TEST REPORT

LICENSE NO-CM/L-0002361143



TC-5708

ULR NO.5708260000000798F

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

DATE OF SAMPLE RECEIVING-09.04.2026

DATES OF TESTING-09.04.2026

SAMPLE ID WEEK NO.14 (02.04.2026 to 08.04.2026)

DATE OF ISSUE-16.04.2026

| CHEMICAL/PHYSICAL REQUIREMENTS | TEST METHOD | REQUIRMENT ASPER IS269:2015 (Sixth Revision) | RESULTS OBTAINED |
|---|----------------------------|--|------------------|
| CHEMICAL REQUIREMENTS:- | | 6 | |
| (i) Ratio of Percentage of Lime to percentage of silica, alumina and iron oxide CaO-0.7803 ----- 2.8 SiO2 + 1.2 Al2O3 + 0.65 Fe2O3 | | Not Greater than 1.02 And not less than 0.80 | 0.876 |
| (ii) Ratio of percentage of alumina to that of iron oxide Al2O3/Fe2O3 | | Not less than 0.66 | 1.58 |
| (iii) Insoluble residue, percent by mass | IS-4032-4.10 | Not more than 5.0 | 2.91 |
| (iv) Magnesia, percent by mass | IS-4032-4.8.2 | Not more than 6.0 | 2.58 |
| (v) Total sulphur calculated as Sulphuric Anhydride (SO3), Percent by mass | IS-4032-4.9 | Not more than 3.5 | 3.12 |
| (vi) Total loss on ignition | IS-4032-4.2 | Not more than 4% | 2.22 |
| (vii) Chloride, percent by mass | IS-4032-4.13 AND - 02/2020 | Not more than 0.1 | 0.011 |
| PHYSICAL REQUIREMENTS : | | 7 | |
| NC | IS-4031-PART-IV 2019 | % | 28.25 |
| (I) FINENESS : | IS-4031-PART-II 2018 | | |
| SP:SURFACE | | Not less than 225 M2/Kg | 351 |
| (II) SOUNDNESS : | | | |
| A) Le-chatelier method Expansion | (IS 4031)(PART-III) 2019 | Not more than 10 mm | 1.0 |
| b) Auto clave test expansion | (IS 4031)(PART-III) 2019 | Not more than 0.8% | 0.079 |
| (III) SETTING TIME | | | |
| A) Initial setting time in Minutues | (IS-4031) (PART-V) 2019 | Not less than 30 | 140 |
| b) Final Setting time in Minutes | (IS-4031) (PART-V) 2019 | Not more than 600 | 175 |
| (IV) COMPRESIVE STRENGTH: | (IS-4031) (PART-VI) 2019 | | |
| 72 ± 1 Hours (3 Days) | | Not Less than 27 Mpa | 38.0 |
| 168 ± 2 Hours (7 Days) | | Not less than 37 Mpa | 47.9 |
| 672 ± 4 Hours (28 Days) | | Not less than 53 Mpa | UNDER TESTING |

REMARKS: The Test results comply with the requirements of IS269:2015 for OPC 53 GRADE 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 relevent 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 28 days.

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

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End of Report