



RAS AL KHAIMAH CEMENT COMPANY

P.O.BOX 2499 : RAS AL KHAIMAH

UNITED ARAB EMIRATES

TEST CERTIFICATE

53 GRADE ORDINARY PORTLAND CEMENT

AS PER IS:269-2015

(ISO 9001:2015 CERTIFIED COMPANY)

S.No.	PARTICULARS	REQUIREMENTS	RESULTS
CHEMICAL COMPOSITION			
1	Loss on Ignition (L.O.I.) (%)	Max. 4.0	3.10
2	Insoluble Residue (I.R.) (%)	Max. 5.0	0.34
3	Sulfate content (SO ₃) (%)	Max. 3.5	2.55
4	Magnesium Oxide MgO	Max. 6.0	1.46
5	Total Alkali as Na ₂ O Na ₂ O (%)		0.57
6	Chloride (Cl) (%)	Max.0.10	0.015
7	Tricalcium Aluminate (C ₃ A) (%)		6.78
8	Alumina Ratio AM	Min. 0.66	1.30
9	Lime Saturation Factor LSF (%)	Min. 0.66 & Max 1.02	96.00
PHYSICAL PROPERTIES			
1	Specific Surface (Blaine) (m ² /kg)	Min 225	341
2	Normal Consistency %		29.0
3	Setting Time (Vicat method)		
	Initial (Minutes)	Min. 30.0	170
	Final (Minutes)	Max. 600	245
4	Soundness		
	by Le chatelier method mm	Max. 10	0.5
	by Autoclave method (mm)	Max. 0.80	0.1
5	Compressive Strength (N/mm ²)		
	(a) 3 Days	Min. 27	29.5
	(b) 7 Days	Min. 37	42.3
	(c) 28 Days	Min. 53	60.1
6	Performance Improver Added %		
	a) Limestone	Max. 5.0	3.0

Remarks :

The above cement complies with the requirement of IS 269-2015 for 53 Grade Ordinary Portland Cement

Date - 7-Mar-23

شركة إسمنت راس الخيمة ذ.م.م

Ras Al Khaimah Cement Co. L.L.C



Head of QA & QC

Marketing Department