



شركة الإسمنت الوطنية ش.م.ع.
National Cement Co. p.s.c.

CEMENT TEST CERTIFICATE

CEMENT TYPE : HIGH SULPHATE RESISTING PORTLAND CEMENT
COMPLYING WITH ASTM C-150 TYPE V - 2020
PRODUCTION DATE : MONTH OF AUGUST-2025

I. CHEMICAL COMPOSITION

CHARACTERISTICS	UNIT	REQUIREMENTS		VALUE OBTAINED
		LOWER LIMIT	UPPER LIMIT	
LOSS ON IGNITION (LOI)	%	N.S.	3.00	2.30
MAGNESIUM OXIDE (MgO)	%	N.S.	6.00	1.60
SULPHUR TRIOXIDE(SO ₃)	%	N.S.	2.30	2.20
INSOLUBLE RESIDUE (I.R.)	%	N.S.	1.50	0.24
TRICALCIUM ALUMINATE (C ₃ A)	%	N.S.	5.00	2.80
TETRACALCIUM ALUMINOFERRITE PLUS TWICE THE TRICALCIUM ALUMINATE(C ₄ AF+2C ₃ A)	%	N.S.	25.00	19.60
TOTAL ALKALI(NA ₂ O+0.658K ₂ O)	%	N.S.	0.60 (OPTIONAL)	0.58

II. PHYSICAL TESTS

FINENESS: SPECIFIC SURFACE AIR PERMEABILITY TEST "BLAINE"	M ² /KG	260.00	N.S.	310
SOUNDNESS: AUTOCLAVE EXPANSION	%	N.S.	0.80	0.02
SETTING TIME: <u>VICAT TEST</u> INITIAL SETTING TIME FINAL SETTING TIME	min min	45.00 N.S.	N.S. 375.00	165 230
STRENGTH:(MORTAR CUBES) COMPRESSIVE STRENGTH 3 DAYS 7 DAYS 28 DAYS	N/mm ² N/mm ² N/mm ²	8.00 15.00 21.00	N.S. N.S. N.S.	25.40 28.60 37.80

AL₂O₃ IS EXPRESSED AS THE PURE OF AL₂O₃.

We certify that the cement is from fresh stock, newly manufactured and complies from the chemical and physical points of view with **ASTM C-150 TYPE V - 2020**.

Sif

Date: 02.10.2025

Form: WLF-10-D DT.1.1.96 Rev.1

Distribution : SM/CUSTOMER

File : CWL/SM

Ahmed Alfatih D. Mohamed
(AHMED ALFATIH D. MOHAMED)
CHIEF OF WORKS LABORATORY

Commercial Registration No. 41150

Vat Registration No. 100025345800003

Authorised and paid up Share Capital
A E D 3 5 8 , 8 0 0 , 0 0 0

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سجل تجاري رقم ٤١١٥٠

رقم الضريبة القيمة المضافة: ١٠٠٠٢٥٣٤٥٨٠٠٠٠٣

راس المال المصرح به والمدفوع ٣٥٨,٨٠٠,٠٠٠ درهم

ص.ب: ٤٠٤١ دبي - الإمارات العربية المتحدة

هاتف: ٣٣٨٨٨٨٥-٤-٩٧١، فاكس: ٣٣٨٨٨٨٦-٤-٩٧١