



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

CEMENT TEST CERTIFICATE

CEMENT TYPE: SULPHATE RESISTING PORTLAND CEMENT
COMPLYING WITH EN 197-1:2011 - CEM I 42.5 N LA - SR3
WEEKLY PRODUCTION: (20.09.2025 - 26.09.2025)

I. CHEMICAL COMPOSITION

CHARACTERISTICS	UNIT	REQUIREMENTS		VALUE OBTAINED
		LOWER LIMIT	UPPER LIMIT	
LOSS ON IGNITION (LOI)	%	N.S.	5.00	2.51
INSOLUBLE RESIDUE	%	N.S.	5.00	0.24
SILICON DIOXIDE (SiO ₂)	%	N.S.	N.S.	20.34
ALUMINIUM OXIDE (AL ₂ O ₃)	%	N.S.	N.S.	3.93
FERRIC OXIDE (Fe ₂ O ₃)	%	N.S.	N.S.	4.47
CALCIUM OXIDE (CaO)	%	N.S.	N.S.	63.64
MAGNESIUM OXIDE (MgO)	%	N.S.	5.00	1.67
SULPHUR TRIOXIDE (SO ₃)	%	N.S.	3.50	2.23
CHLORIDE CONTENT	%	N.S.	0.10	0.02
TOTAL ALKALI (Na ₂ O + 0.658 * K ₂ O)	%	N.S.	0.60	0.59
TRICALCIUM SILICATE (C ₃ S)	%	N.S.	N.S.	60.70
DICALCIUM SILICATE (C ₂ S)	%	N.S.	N.S.	12.52
TRICALCIUM ALUMINATE (C ₃ A)	%	N.S.	3.00	2.85

II. PHYSICAL TESTS

TEST	UNIT	LOWER LIMIT	UPPER LIMIT	VALUE OBTAINED
FINENESS				
SPECIFIC SURFACE				
AIR PERMEABILITY TEST (BLAINE TEST)	M ² /KG	N.S.	N.S.	311
SOUNDNESS				
LE-CHATELIER EXPANSION TEST	mm	N.S.	10.00	0.50
SETTING TIME : VICAT TEST				
INITIAL SETTING TIME	min	60.00	N.S.	165
FINAL SETTING TIME	min	N.S.	N.S.	235
STRENGTH : (MORTAR PRISMS)				
COMPRESSIVE STRENGTH				
2 DAYS	N/mm ²	10.00	N.S.	24.60
7 DAYS	N/mm ²	N.S.	N.S.	40.30
28 DAYS ON DATE (30.08.2025 - 05.09.2025)	N/mm ²	42.50	62.50	54.10

We certify that the cement is from fresh stock, newly manufactured and complies from the Chemical and Physical points of view with EN 197-1:2011.

DATE: 06.10.2025

FORM: WLF-110L DT 1.1.96 Rev 1

DISTRIBUTION: SM/CUSTOMER

FILE: CWL/SM


(AHMED ALFATIH D. MOHAMED)
CHIEF OF WORKS LABORATORY

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Vat Registration No. 100025345800003
Authorised and paid up Share Capital
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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 +