



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

CEMENT TEST CERTIFICATE

CEMENT TYPE: PORTLAND CEMENT
COMPLYING WITH EN 197-1:2011 - CEM I 42.5N
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	2.85
INSOLUBLE RESIDUE	%	N.S.	5.00	0.36
SILICON DIOXIDE (SiO ₂)	%	N.S.	N.S.	20.17
ALUMINIUM OXIDE (AL ₂ O ₃)	%	N.S.	N.S.	4.81
FERRIC OXIDE (Fe ₂ O ₃)	%	N.S.	N.S.	3.26
CALCIUM OXIDE (CaO)	%	N.S.	N.S.	63.28
MAGNESIUM OXIDE (MgO)	%	N.S.	5.00	1.79
SULPHUR TRIOXIDE (SO ₃)	%	N.S.	3.50	2.52
CHLORIDE CONTENT	%	N.S.	0.10	0.05
TOTAL ALKALI (Na ₂ O + 0.658 * K ₂ O)	%	N.S.	N.S.	0.59
TRICALCIUM SILICATE (C ₃ S)	%	N.S.	N.S.	54.25
DICALCIUM SILICATE (C ₂ S)	%	N.S.	N.S.	16.91
TRICALCIUM ALUMINATE (C ₃ A)	%	N.S.	N.S.	7.24

II.PHYSICAL TESTS

FINENESS				
SPECIFIC SURFACE				
AIR PERMEABILITY TEST (BLAINE TEST)	M ² /KG	N.S.	N.S.	308
SOUNDNESS				
LE-CHATELIER EXPANSION TEST	mm	N.S.	10.00	0.50
SETTING TIME : VICAT TEST				
INITIAL SETTING TIME	min	60.00	N.S.	140
FINAL SETTING TIME	min	N.S.	N.S.	220
STRENGTH : (MORTAR PRISMS)				
COMPRESSIVE STRENGTH				
2 DAYS	N/mm ²	10.00	N.S.	23.60
7 DAYS	N/mm ²	N.S.	N.S.	40.10
28 DAYS ON DATE (30.08.2025 - 05.09.2025)	N/mm ²	42.50	62.50	54.20

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-110K DT 1.1.96 Rev 1

DISTRIBUTION: SM/CUSTOMER

FILE: CWL/SM

(AHMED ALFATIH D.MOHAMED)
CHIEF OF WORKS LABORATORY



E-mail: cement@nationalcement.ae

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
P.O. Box 4041 Dubai - United Arab Emirates
Tel.: +971-4-3388885, Fax: +971-4-3388886

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: ٣٣٨٨٨٨٨٥ - ٤ - ٩٧١ + , فاكس: ٣٣٨٨٨٨٨٦ - ٤ - ٩٧١ +