



شركة إيسمنت عمان (س.أ.و.ع.) Oman Cement Company (S.A.O.G)

P.O. Box 560 Ruwi, Postal Code 112,
Muscat - Sultanate of Oman,
Tel: (968) 24437070
Fax: (968) 24437777
C.R. No.: 1/06123/2
E-mail: admin@omancement.com
Website: http://www.omancement.com
Member Arab Union for
Cement and Building Materials

ص.ب. 560 روي، الرمز البريدي 112،
مسقط سلطنة عمان
هاتف: (968) 24437070
فاكس: (968) 24437777
س.ر.ن.و: 1/06123/2
البريد الإلكتروني: admin@omancement.com
الموقع على الشبكة: http://www.omancement.com
عضو الاتحاد العربي
للإسمنت ومواد البناء

TEST CERTIFICATE OF ORDINARY PORTLAND CEMENT

In accordance with ASTM C 150/150M-12 Type I

Note: It also conforms to specifications of OS 7:2001 OPC and BSEN 197-1:2011 CEM 1 42.5N

REQUIREMENT	P H Y S I C A L T E S T		C H E M I C A L T E S T		TEST RESULTS
	SPECIFICATIONS	TEST RESULTS	REQUIREMENT	SPECIFICATIONS	
Air content of Mortar, Volume %	Max. 12	Min. --		Max. ---	Min. ---
Specific Surface Air Permeability Test (m ² /kg)	---	280	Silica (SiO ₂)	---	20.96
Setting Time	---	45	Insoluble Residue (IR)	0.75	0.53
Initial (Minute)	375	---	Alumina (Al ₂ O ₃)	---	4.64
Final (Minute)	0.80	---	Ferric Oxide (Fe ₂ O ₃)	---	4.17
Soundness Autoclave Expansion (%)			Lime (CaO)	---	62.90
Compressive Strength:			Magnesia (MgO)	6.00	1.70
2.75 Sand: 1 Cement Mortar Cube			Sulphur Trioxide (SO ₃)	---	---
at 3 days +/-1hr (Mpa)	--	12.0	When C3A is 8% or less	3.00	2.15
at 7 days +/-2hrs (Mpa)	---	19.0	When C3A is more than 8%	3.50	---
at 28 days +/-12hrs (Mpa) *	---	28.0	Loss on Ignition (LOI)	3.00	2.52
Heat of Hydration at 7 days (kJ/kg) **	290	---	Alkalies (Na ₂ O + 0.658 K ₂ O)	0.60	0.49
At 28 days: *Refers to cement despatch of week ending: 04.04.19			Tricalcium Silicate (C ₃ S)	---	53.51
Sampling / Testing Date: 20-25.04.19			Di-calcium Silicate (C ₂ S)	---	19.75
Ref. No.: OPC19-17			Tricalcium Aluminate (C ₃ A)	---	5.24
Remarks: PL-24647			Lime Saturation Factor (LSF)	---	92.03
Issue Date: 02.05.19					



ASST. MANAGER.QC

MANAGER QUALITY CONTROL

GENERAL MANAGER (Manuf.)

QC-F-002

1/1

End of Test Certificate