



شركة إسمنت عمان (ش.م.ع.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. ٥٦ - روي الرمز البريدي ١١٢
مسقط سلطنة عمان
هاتف: (٩٦٨) ٢٤٤٣٧٠٧٠
فاكس: (٩٦٨) ٢٤٤٣٧٧٧٧
س.ت.رقم: ١/٠٦١٢٣/٢
البريد الإلكتروني: admin@omancement.com
الموقع على الشبكة: http://www.omancement.com
عضو الاتحاد العربي
للإسمنت ومواد البناء

TEST CERTIFICATE OF MODERATE SULPHATE RESISTING CEMENT

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

PHYSICAL TEST				CHEMICAL TEST				
REQUIREMENT	SPECIFICATIONS		TEST RESULTS	REQUIREMENT	SPECIFICATIONS		TEST RESULTS	
	MAX.	MIN.			MAX.	MIN.		
Air content of Mortar, Volume %	12	--	5.5	Silica (SiO ₂)	---	20.00**	20.45	
Specific Surface Air Permeability Test (m ² /kg)	---	280	343	Insoluble Residue (IR)	0.75	---	0.51	
Setting Time	Initial (Minute)	---	45	157	Alumina (Al ₂ O ₃)	6.00	---	4.46
	Final (Minute)	375	---	210	Ferric Oxide (Fe ₂ O ₃)	---	---	4.15
Soundness Autoclave Expansion (%)	0.80	---	0.03	Lime (CaO)	---	---	62.65	
Compressive Strength:				Magnesia (MgO)	6.00	---	1.68	
2.75 Sand: 1 Cement Mortar Cube				Sulphur Trioxide (SO ₃) if C ₃ A<8%	3.00	---	2.16	
at 3 days +/-1hr (Mpa)	--	10	19.8	Sulphur Trioxide (SO ₃) if C ₃ A>8%	3.50	---	---	
at 7 days +/-2hrs (Mpa)	---	17	24.8	Loss on Ignition (LOI)	3.00	---	2.45	
at 28 days +/-12hrs (Mpa) *	---	28	34.9	Total Alkalies (Na ₂ O Eq.)	0.60	---	0.46	
Heat of Hydration at 7 days (kJ/kg) **	290	---	273	Tricalcium Aluminate (C ₃ A)	8.00	---	4.80	
At 28 days:*Refers to cement despatch of week ending: 17.10.19				**Not required when heat of hydration limit is specified.				
Sampling / Testing Date: 02-07.11.19								
Ref. No.: MSRC19-45								
Remarks: PL-25102								
Issue Date : 14.11.19								

ASST.MANAGER.QC

MANAGER QUALITY CONTROL

GENERAL MANAGER (Manuf.)

QC-F-005

1/1

End of Test Certificate

