



شركة إسمنت عُمان (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@omacement.com
Website: http://www.omacement.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.ت.رقم: 1/06123/2
البريد الإلكتروني: admin@omacement.com
الموقع على الشبكة: http://www.omacement.com
عضو الاتحاد العربي
للإسمنت ومواد البناء

TEST CERTIFICATE OF SULPHATE RESISTING CEMENT

In accordance with BSEN 197-1:2011 CEM 1 - SR 5 - 42.5N

Note: It also conforms to specifications of ASTM C 150/150M-12 Type V

PHYSICAL TEST					CHEMICAL TEST				
REQUIREMENT	SPECIFICATIONS		TEST RESULTS	REQUIREMENT	SPECIFICATIONS		TEST RESULTS		
	Max.	Min.			Max.	Min.			
Specific Surface Air Permeability Test (m ² /kg)	---	---	325	Silica (SiO ₂) %	---	---	21.36		
Setting Time	Initial (Minutes)	---	60	Insoluble Residue (IR) %	1.50	---	0.32		
	Final (Minutes)	---	---	Alumina (Al ₂ O ₃) %	---	---	4.12		
Soundness Le Chatelier Expansion (mm)	10.00	---	1.0	Ferric Oxide (Fe ₂ O ₃) %	---	---	4.74		
Compressive strength: Mortar Prism	---	---	---	Lime (CaO) %	---	---	63.66		
at 2 days (N/mm ²)	---	10.0	20.3	Magnesia (MgO) %	5.00	---	1.75		
at 7 days (N/mm ²)	---	---	32.4	Sulphur Trioxide (SO ₃) %	2.50	---	1.51		
at 28 days (N/mm ²)*	62.5	42.5	45.8	Loss on Ignition (LOI) %	3.00	---	1.40		
At 28 days: *Refers to cement despatch of week ending:	17.10.19		---	Chloride (Cl) %	0.10	---	0.02		
Sampling / Testing Date:	02-07.11.19		---	Alkalies (Na ₂ O + 0.658 K ₂ O) %	0.60	---	0.47		
Ref. No.:	SRC19-45		---	Tricalcium Silicate (C ₃ S) %	---	---	58.06		
Remarks:	SRC-5895		---	Dicalcium Silicate (C ₂ S) %	---	---	17.44		
Issue Date :	14.11.19		---	Tricalcium Aluminate (C ₃ A) %	5.00	---	2.90		
---	---	---	---	Lime Saturation Factor (LSF) %	---	---	92.29		
---	---	---	---	Alumina Modulus (AM)	---	---	0.87		

ASST.MANAGER.QC

QC-F-003

1/1

MANAGER QUALITY CONTROL

End of Test Certificate



GENERAL MANAGER (Manuf.)