



# شركة عمان للخرسانة (س.أ.و.ج) Oman Cement Company (S.A.O.G)

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Cement and Building Materials

ص.ب. ٥٦٠ - روي البريدي ١١٢  
محافظة سلطنة عمان  
تليفون: (٩٦٨) ٢٤٤٣٧٠٧٠  
فاكس: (٩٦٨) ٢٤٤٣٧٧٧٧  
رقم التسجيل: ١/٠٦١٢٣/٢  
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عضو الاتحاد العربي  
للخرسانة ومواد البناء

## TEST CERTIFICATE OF SULPHATE RESISTING CEMENT

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

Note: It also conforms to specifications of BSEN 197-1:2011 CEM 1 - SR 5 - 42.5N

REQUIREMENT	PHYSICAL TEST		CHEMICAL TEST		TEST RESULTS
	SPECIFICATIONS	TEST RESULTS	REQUIREMENT	SPECIFICATIONS	
	Max.	Min.		Max.	Min.
Air content of Mortar, Volume %	12	--			
Specific Surface Air Permeability Test (m <sup>2</sup> /kg)	---	280	Silica (SiO <sub>2</sub> )	---	21.25
Setting Time	Initial (Minute)	45	Insoluble Residue (IR)	0.75	0.33
	Final (Minute)	---	Alumina (Al <sub>2</sub> O <sub>3</sub> )	---	4.06
Soundness Autoclave Expansion (%)	0.80	---	Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	---	4.91
Compressive Strength: 2.75 Sand: 1 Cement Mortar Cube			Lime (CaO)	---	63.44
	at 3 days +/-1hr (Mpa)	8.0	Magnesia (MgO)	6.00	1.62
at 7 days +/-2hrs (Mpa)	---	15.0	Sulphur Trioxide (SO <sub>3</sub> )	2.30	1.58
at 28 days +/-12hrs (Mpa) *	---	21.0	Loss on Ignition (LOI)	3.00	1.95
Heat of Hydration at 7 days (kJ/kg)	---	---	Alkalies (Na <sub>2</sub> O + 0.658 K <sub>2</sub> O)	0.60	0.52
At 28 days: *Refers to cement despatch of week ending: 04.04.19			Tricalcium Silicate (C <sub>3</sub> S)	---	57.98
Sampling / Testing Date: 20-25.04.19			Di-calcium Silicate (C <sub>2</sub> S)	---	17.18
Ref. No.: SRC19-17			Tetracalcium Aluminoferrite (C <sub>4</sub> AF)	---	14.94
Remarks: SRC-5802			Tricalcium Aluminate (C <sub>3</sub> A)	5.00	2.45
Issue Date: 02.05.19			2C <sub>3</sub> A + C <sub>4</sub> AF	25.00	19.84

ASST. MANAGER. QC  
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MANAGER QUALITY CONTROL  
End of Test Certificate

GENERAL MANAGER (Manuf.)

