



Arab Center
For Engineering Studies

المركز العربي
للدراسات الهندسية

Report on Compressive Strength of Concrete Cubes

ACES Client	: Qatar German Pipes W.L.L. (QGPC)	Report No.	: TCR19041169
Owner	: Abdulla Salem Al Sulaiten	Date Reported	: 19-11-19
Project Client	: ASHGHAL APPROVAL	Request No.	: TCQ19041169
PMC	: N/A	Sample No.	: TCS19041169
Consultant	: N/A		
Contractor	: N/A		
Project No.	: -		
Project Name	: Private		
Structure Reference	: Manhole Benching Cement Concrete Cube 1500mm		
Source of Material	: -	No. of Cubes Tested	: 5
Place of Sampl./Cast.	: Site	Nominal Size	: 150 x 150 x 150 mm
Date of Sampling	: 03-07-19 Time : N.P.	Method of Compaction	: MANUAL
Date of Casting	: 03-07-19 Time : N.P.	Equip.of Compaction	: COMPACTING BAR
Sampling Method	: BS EN 12350-1:2009	Sampled By	: CONTRACTOR'S REP.
Curing/Storage (Site)	: BS EN 12390 - 2:2009	Cubes Prepared By	: CONTRACTOR'S REP.
Certificate Attached	: Sampling(NP), Making(NP), Curing(NP)	Sampling Certificate No.	: N.P.
Sample Rcvd. Date	: 16-10-19 Time : 09:30	Dimensions	: Actual
Condition of Cube	: Good	Volume Determination	: By Calculation
Removal of Fins	: Nil	Actual Test Age (Days)	: 105
Curing/Storage (Lab)	: BS EN 12390 - 2:2009	Rqrd Test Age (Days)	: 105
Moisture Condition	: Moist	Sample Brought In By	: CONTRACTOR'S REP.
Test Method	: BS EN 12390-3:2009: Annex B	Date Tested	: 16-10-19
Test Method Var.	: Nil	Tested By	: Arafath

Spec. No.	Client Cube Reference	Dimensions (mm)			Mass as Received (kg)	Density as Received (kg/m ³)	Max. Load at Failure (kN)	Comp. Strength (N/mm ²)	Type of Fracture
		Xm	Ym	Zm					
1	1	150	150	150	7.841	2320	1141.7	50.7	Satisfactory
2	2	150	150	150	7.965	2360	1170.9	52.0	Satisfactory
3	3	150	150	150	7.790	2310	1205	53.6	Satisfactory
4	4	150	150	150	7.943	2350	1156.1	51.4	Satisfactory
5	5	150	150	150	7.915	2350	1189	52.8	Satisfactory

Remarks : -
Spec. Strength (N/mm²) : 40



0 0 0 5 0 5 9 7 6 0 .

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