

Muhammad Riaz

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Resident Engineer, ACES Private Limited Site Office, DHA Multan, Rumanza Golf Course,

Client Reference: ACES-DHAM-GCRR-188

Dated: 30-09-2020

SOM Lab Ref: CED/SOM/3038 (Page-1/1)

Dated: 02-10-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(SJ STEEL)

Gauge Length: 200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.842	12	11.67	113	107	49.70	75.00	439	465	663	701	27.5	200	13.8	
2	0.872	12	11.89	113	111	51.00	76.20	451	460	674	687	30.0	200	15.0	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Asad Raza
House No # 24, Street # 18, Asif Colony Shalamar Bagh Lahore

Test Performed By:

Dr. /Engr.

Riaz Ahmad
Goraya

Client Reference: nil

Dated: 02-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3037(Page-1/1)

Dated: 02-10-2020

ASTM-A-615

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.487	6	0.746	0.44	0.437	13.35	19.78	66940	67400	99130	99810	1.30	8.0	16.3	
2	0.639	4	0.489	0.20	0.188	5.91	8.33	65200	69360	91840	97700	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr Muhammad Mubashir
Project Engineer, Deevar Developers Pvt. Ltd. Lahore

Test Performed By:

Dr. /Engr.

M. Irfan Ul Hassan

Client Reference: ZD/ZO/L/036

Dated: 02-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3039(Page-1/1)

Dated: 02-10-2020

ASTM-A-615

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.655	8	0.997	0.79	0.780	25.99	35.58	72570	73500	99320	100590	1.30	8.0	16.3	
2	2.637	8	0.993	0.79	0.775	25.89	35.58	72290	73680	99320	101240	1.30	8.0	16.3	
3	1.483	6	0.745	0.44	0.436	12.95	18.35	64890	65490	91970	92820	1.50	8.0	18.8	
4	1.476	6	0.743	0.44	0.434	13.66	18.65	68470	69420	93510	94800	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Test Performed by: Dr. Syed Asad Ali Gillani

Kold Kraft Refrigeration (Pvt) Ltd.
Lahore

Client Reference No.: Nil

Dated: 24-09-2020

SOM Lab Ref: CED/SOM/3040(P-1/2)

Dated: 02-10-2020

Test Type: Compressive Strength

Sample Type: Rubber mounting

Load Test Results:

S No	Sample Type	Compressive Strength (kN)	Remarks
1	Rubber mounting	7.8	Rubber mounting Breaks at this load

Test Performed by: Dr. Syed Asad Ali Gillani

Kold Kraft Refrigeration (Pvt) Ltd.
Lahore

Client Reference No.: Nil

Dated: 24-09-2020

SOM Lab Ref: CED/SOM/3040(P-2/2)

Dated: 02-10-2020

Test Type: Compressive Strength

Sample Type: SS Wire mounting

Load Test Results:

S No	Sample Type	Compressive Strength (kN)	Remarks
1	SS Wire mounting	4.0	SS Wire mounting deformed at this load