

Aamir Shahzad Alvi
PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: QC/HQ/CIVIL/121

Dated : 15-08-2023

SOM Lab Ref: CED/SOM/2689(Page-1/1)

Dated : 15-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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	m	%	
1	0.991	12	12.67	113	126	56.00	75.70	495	445	669	601	32.5	200	16.3	
2	0.998	12	12.73	113	127	68.50	91.50	606	539	809	720	32.5	200	16.3	
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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

Adnan Khalid

Test Performed By: Dr. /Engr. Waseem Abbas

Manager Procurement Petrocon (Pvt) Ltd.(MCH-01 Tank Project at shell Pak Machike Depot)

Client Reference: 100/UET-P331/TEST

Dated : 15-08-2023

SOM Lab Ref: CED/SOM/2690(Page-1/1)

Dated : 15-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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	m	%	
1	0.989	12	12.67	113	126	60.20	72.50	532	478	641	576	27.5	200	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Nasir Mehmood

Test Performed By: Dr. /Engr. Nauman Khurram

CM Elite Engg Pvt Ltd.Lahore.(WB-10-B Ext Works at 220KVA University G/Station Bhara Kahu,Isb)

Client Reference: EEPL/08/EL-01

SOM Lab

Ref: 2687 (Page-1/1)

Dated: 15-08-2023

Dated: 15-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Aziz Steel)

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	2.628	8	0.991	0.79	0.772	22.58	36.44	63040	64510	101740	104110	1.10	8.0	13.8	
2	2.667	8	0.999	0.79	0.784	23.09	37.56	64460	64950	104870	105670	1.40	8.0	17.5	
3	1.532	6	0.757	0.44	0.450	13.00	20.10	65150	63700	100760	98520	1.30	8.0	16.3	
4	1.527	6	0.756	0.44	0.449	13.15	20.10	65910	64590	100760	98740	1.50	8.0	18.8	
5	0.993	5	0.610	0.31	0.292	8.38	13.22	59620	63290	94060	99860	1.40	8.0	17.5	
6	1.026	5	0.620	0.31	0.302	8.66	13.81	61650	63280	98270	100870	1.40	8.0	17.5	
7	0.662	4	0.498	0.20	0.195	5.40	8.46	59580	61110	93300	95690	1.20	8.0	15.0	
8	0.670	4	0.501	0.20	0.197	5.73	8.66	63180	64140	95550	97000	1.30	8.0	16.3	
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Witnessed By: Sohaib Ali (Nespak,Sub Engr), Naveed Iqbal (Elite Company)

BEND TEST:

Sr.(1-2)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Sixteen Samples Received and Tested
Sr.(3-4)	Sample bend through 180 degrees Satisfactorily without any crack	
Sr.(5-6)	Sample bend through 180 degrees Satisfactorily without any crack	
Sr.(7-8)	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

Arif Siddique
Ideal Construction Service,Lahore.(FMH Tower Lahore)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: ICS/786/546

SOM Lab

Ref: 2688 (Page-1/1)

Dated: 15-08-2023

Dated: 15-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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	0.666	4	0.500	0.20	0.196	5.63	8.15	62050	63320	89930	91760	1.30	8.00	16.3	
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BEND TEST:

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

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

Mubashar Ahmad Khan
Lahore.

Test Performed By: Dr. /Engr. Waseem Abbas

Client Reference: Nil

SOM Lab

Ref: 2691 (Page-1/1)

Dated: 15-08-2023

Dated: 15-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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	2.675	8	1.000	0.79	0.786	25.71	37.31	71770	72140	104160	104690	1.30	8.00	16.3	
2	2.663	8	0.998	0.79	0.783	25.35	37.16	70780	71410	103730	104660	1.40	8.00	17.5	
3	1.487	6	0.746	0.44	0.437	14.98	21.17	75110	75630	106130	106850	1.10	8.00	13.8	
4	1.511	6	0.752	0.44	0.444	15.11	21.05	75720	75040	105510	104560	1.00	8.00	12.5	
5	0.666	4	0.500	0.20	0.196	6.73	8.94	74190	75710	98580	100600	1.00	8.00	12.5	
6	0.667	4	0.500	0.20	0.196	6.70	8.77	73850	75360	96670	98650	1.10	8.00	13.8	
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BEND TEST:

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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector L)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: 111/15/AD/RS/Lab/Sec L/397

SOM Lab

Ref: 2692 (Page-1/1)

Dated: 15-08-2023

Dated: 15-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo Steel)

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	3.235	9	1.100	1.00	0.951	28.36	40.98	62550	65770	90380	95030	1.50	8.00	18.8	
2	3.247	9	1.102	1.00	0.954	28.46	40.94	62770	65800	90290	94640	1.50	8.00	18.8	
3	2.562	8	0.979	0.79	0.753	22.85	32.49	63810	66940	90700	95150	1.50	8.00	18.8	
4	2.578	8	0.982	0.79	0.758	22.22	32.42	62040	64660	90500	94320	1.60	8.00	20.0	
5	1.485	6	0.745	0.44	0.436	14.32	19.24	71790	72450	96420	97300	1.40	8.00	17.5	
6	1.490	6	0.747	0.44	0.438	14.27	19.37	71540	71860	97080	97520	1.40	8.00	17.5	
7	0.671	4	0.501	0.20	0.197	6.32	8.22	69700	70760	90600	91980	1.20	8.00	15.0	
8	0.672	4	0.501	0.20	0.197	6.24	8.18	68800	69840	90150	91530	1.10	8.00	13.8	
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BEND TEST:

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

Test Performed by: .Dr Nauman Khurram

Usman Nazir

RE M/S Zeeruk-LOYA-MIHA JV

Islamabad Highway.

(Dev Of Isb Expressway PWD Underpass to GT-Road Including Bhandar Bridge,Japan
Road Underpass & Soan Bridge)

Client Reference No.: ZI/RE/FWO/P-N/23/145

Dated: 10-08-2023

SOM Lab Ref: CED/SOM/2693 (Page 1/1)

Dated: 15-08-2023

Sample Type: Wedge Block

Test Type: Hardness Test

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 140.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness (avg)
1	Wedge Block	HR – 90.5- B

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