

Malik Sohaib

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Lab.Incharge,TEC Haveli Bahadur Shah.(Const Of 1263MW Punjab Thermal Power Plant,Jhang)

Client Reference: TEC/UET/22012402

Dated: 01-03-2022

SOM Lab Ref: CED/SOM/5976(Page-1/1)

Dated: 01-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Ittehad 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	4.042	25	25.61	491	515	219.50	304.50	447	427	620	592	40.0	200	20.0	H # 231
2	4.037	25	25.59	491	514	223.50	304.70	455	435	621	593	45.0	200	22.5	H # 231
3	3.919	25	25.21	491	499	280.60	343.20	572	563	699	688	40.0	200	20.0	H # 232
4	3.948	25	25.31	491	503	214.20	297.70	436	426	606	592	42.5	200	21.3	H # 232
5	1.632	16	16.27	201	208	101.70	128.70	506	490	640	620	35.0	200	17.5	H # 239
6	1.629	16	16.25	201	207	98.70	128.00	491	476	637	617	32.5	200	16.3	H # 239
7	1.625	16	16.24	201	207	99.70	127.20	496	482	633	615	32.5	200	16.3	240
8	1.622	16	16.22	201	207	100.50	128.20	500	487	638	621	32.5	200	16.3	240
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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

Malik Sohaib

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Lab-Incharge, TEC Haveli Bahadur Shah.(Const Of 1263MW Punjab Thermal Power Plant,Jhang)

Client Reference: TEC/UET/22012301

Dated: 01-03-2022

SOM Lab Ref: CED/SOM/5977(Page-1/1)

Dated: 01-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (F.F 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	1.558	16	15.88	201	198	92.20	126.70	459	466	630	640	32.5	200	16.3	H # 90
2	1.548	16	15.85	201	197	93.00	125.70	463	472	625	638	35.0	200	17.5	H # 90
3	0.854	12	11.77	113	109	56.70	78.00	501	522	690	717	27.5	200	13.8	H # 650
4	0.862	12	11.83	113	110	59.70	82.70	528	544	731	753	27.5	200	13.8	H # 650
5	0.925	12	12.25	113	118	61.00	84.70	539	518	749	719	30.0	200	15.0	H # 651
6	0.925	12	12.25	113	118	61.20	85.20	541	520	753	724	37.5	200	18.8	H # 651
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

A.H Construction
Lahore.

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

Client Reference: AHC/21/209/UET
SOM Lab Ref: CED/SOM/5978(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 01-03-2022
Dated: 01-03-2022
Test Specification: ASTM-A 615
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	4.054	25	25.63	491	516	239.50	361.50	488	465	736	701	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Metroplan

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE Metroplan-Asian Jv,Layyah(Establishment Of 200 Bedded Mother & Child Hospital(MCH),Layyah)

Client Reference: Metroplan-Asian Jv-MCH-Layyah-RE-009

SOM Lab 5966 (Page-

Ref: 1b/1)

Dated: 18-02-2022

Dated: 01-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	0.659	4	0.497	0.20	0.194	6.42	8.56	70820	73010	94420	97340	1.00	8.0	12.5	
2	0.656	4	0.496	0.20	0.193	6.88	9.04	75880	78630	99710	103320	0.90	8.0	11.3	
3	0.660	4	0.497	0.20	0.194	6.63	9.02	73070	75330	99480	102560	1.00	8.0	12.5	
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BEND TEST:

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

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

Metroplan

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE Metroplan-Asian Jv,Layyah(Establishment Of 200 Bedded Mother & Child Hospital(MCH),Layyah)

Client Reference: Metroplan-Asian Jv-MCH-Layyah-RE-009

SOM Lab 5966 (Page-

Ref: 1a/1)

Dated: 18-02-2022

Dated: 01-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	2.729	8	1.011	0.79	0.802	24.64	35.49	68790	67760	99090	97610	1.40	8.0	17.5	
2	2.684	8	1.002	0.79	0.789	24.43	35.63	68220	68300	99460	99590	1.50	8.0	18.8	
3	2.604	8	0.987	0.79	0.765	24.49	35.75	68360	70590	99800	103060	1.30	8.0	16.3	
4	2.663	8	0.998	0.79	0.783	24.97	33.05	69720	70350	92260	93090	1.40	8.0	17.5	
5	2.646	8	0.995	0.79	0.778	25.64	33.69	71570	72680	94050	95510	1.40	8.0	17.5	
6	2.613	8	0.989	0.79	0.768	22.68	31.93	63320	65140	89130	91680	1.80	8.0	22.5	
7	2.629	8	0.992	0.79	0.773	23.50	32.59	65600	67040	90980	92980	1.60	8.0	20.0	
8	2.648	8	0.995	0.79	0.778	23.57	32.69	65800	66810	91270	92670	1.30	8.0	16.3	
9	2.671	8	1.000	0.79	0.785	23.41	32.69	65370	65790	91270	91850	1.50	8.0	18.8	
10	2.668	8	0.999	0.79	0.784	25.56	33.28	71350	71890	92920	93630	1.50	8.0	18.8	

BEND TEST:

Sr # (1-3) Sample bend through 180 degrees Satisfactorily without any crack

Sr #(4-6) Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Sixteen Samples Received and Tested

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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

HSD Mdk.(Wid And Imp Od Rd From G.T Rd To Pandoori Pull Via Chak Bhullay To Ranger H.Quater)

Client Reference: 08/MKD

SOM Lab

5967 (Page-

Ref:

1a/1)

Dated: 15-01-2022

Dated:

01-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Plain 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	2.339	8	0.935	0.79	0.687	17.96	26.81	50150	57660	74850	86070	2.00	8.0	25.0	
2	2.352	8	0.938	0.79	0.691	17.91	26.73	50000	57170	74620	85310	2.00	8.0	25.0	
3	1.675	6	0.791	0.44	0.492	11.28	16.38	56560	50590	82110	73430	2.20	8.0	27.5	
4	1.686	6	0.794	0.44	0.495	11.11	16.41	55700	49510	82260	73120	2.30	8.0	28.8	
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BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

6 Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples
Received and Tested

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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

HSD Mdk.(Wid And Imp Od Rd From G.T Rd To Pandoori Pull Via Chak Bhullay To Ranger H.Quater)

Client Reference: 08/MKD

SOM Lab 5967 (Page-

Ref: 1b/1)

Dated: 15-01-2022

Dated: 01-03-2022

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	1.453	6	0.737	0.44	0.427	14.73	20.23	73830	76080	101420	104510	1.20	8.0	15.0	
2	1.462	6	0.740	0.44	0.430	15.24	20.59	76390	78170	103210	105610	1.50	8.0	18.8	
3	1.063	5	0.630	0.31	0.312	10.21	13.61	72670	72200	96820	96200	1.20	8.0	15.0	
4	1.065	5	0.631	0.31	0.313	9.68	13.58	68900	68240	96600	95670	1.10	8.0	13.8	
5	0.662	4	0.498	0.20	0.195	6.44	8.41	71040	72870	92740	95120	1.00	8.0	12.5	
6	0.664	4	0.498	0.20	0.195	6.52	8.51	71940	73790	93860	96270	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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

Muhammad Saleh Morio

Test Performed By:

Dr. /Engr. Wasim Abbas

RE AZEA Mwl&Bkr(Dual.Of Rd From AccountOffice Chowk To RailwayLine Link To RabiPlaza Chowk)

Client Reference: AZEA/MWL/BKR/City/LAB/UET/0235

SOM Lab

5968 (Page-

Ref:

1/1)

Dated: 14-02-2022

Dated:

01-03-2022

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	1.522	6	0.754	0.44	0.447	15.19	20.41	76130	74940	102290	100690	1.30	8.0	16.3	
2	1.540	6	0.759	0.44	0.453	15.49	20.80	77670	75440	104230	101240	1.30	8.0	16.3	
3	0.653	4	0.494	0.20	0.192	6.27	8.56	69130	72010	94420	98360	1.10	8.0	13.8	
4	0.652	4	0.494	0.20	0.192	6.32	8.56	69700	72600	94420	98360	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PHE: SD Arifwala.(Provision Of Sewerage, Water Supply, Tuff Pavers And Soling At Arifwala)

Client Reference: 366/A

SOM Lab

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Ref:

1/1)

Dated: 01-02-2022

Dated:

01-03-2022

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	0.663	4	0.498	0.20	0.195	5.81	9.33	64080	65720	102860	105490	1.20	8.0	15.0	
2	0.643	4	0.491	0.20	0.189	5.76	8.56	63510	67210	94420	99920	1.00	8.0	12.5	
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BEND TEST:

# 4	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

Usman Khalid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

P & CE Izhar Construction Pvt. Ltd.(Const Of Production Unit For Fabrizio Stylo-QABP Skp)

Client Reference: ICPL/CONST-FS/22/017

SOM Lab

5970 (Page-

Ref:

1/2)

Dated: 28-02-2022

Dated:

01-03-2022

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	1.515	6	0.753	0.44	0.445	15.49	19.95	77670	76790	99990	98870	1.40	8.0	17.5	
2	1.507	6	0.751	0.44	0.443	15.24	19.67	76390	75870	98610	97950	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 6	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

Usman Khalid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

P & CE Izhar Construction Pvt. Ltd.(Const Of Production Unit For Fabrizio Stylo-QABP Skp)

Client Reference: ICPL/CONST-FS/22/016

SOM Lab

5970 (Page-

Ref:

2/2)

Dated: 28-02-2022

Dated:

01-03-2022

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	0.660	4	0.497	0.20	0.194	7.16	8.74	78910	81350	96340	99310	1.10	8.0	13.8	
2	0.667	4	0.500	0.20	0.196	7.61	9.14	83970	85680	100830	102890	1.00	8.0	12.5	
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BEND TEST:

# 4	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

Khawaja Irfan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CE Design & Const. Deptt.-HO City School.(Bahria Campus Lahore Ph-II)

Client Reference: TCS/D&C/HO/002/2022

SOM Lab

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Ref:

1/1)

Dated: 25-02-2022

Dated:

01-03-2022

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	2.674	8	1.000	0.79	0.786	25.20	34.61	70350	70710	96620	97110	1.80	8.0	22.5	
2	2.644	8	0.995	0.79	0.777	23.70	34.05	66170	67270	95050	96640	1.80	8.0	22.5	
3	1.495	6	0.748	0.44	0.439	13.68	19.22	68570	68730	96320	96530	1.30	8.0	16.3	
4	1.512	6	0.752	0.44	0.444	13.99	19.47	70100	69470	97590	96710	1.80	8.0	22.5	
5	0.672	4	0.501	0.20	0.197	6.24	9.12	68800	69840	100610	102140	1.50	8.0	18.8	
6	0.668	4	0.500	0.20	0.196	6.24	9.14	68800	70200	100830	102890	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Mohammad Tasawer Riaz
Director Multi Line Engg.Gujrat.

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

Client Reference: Nil

SOM Lab 5972 (Page-1/1)
Ref:

Dated: 26-02-2022

Dated: 01-03-2022

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	1.479	6	0.744	0.44	0.435	13.76	18.37	68980	69770	92070	93130	1.40	8.0	17.5	
2	1.501	6	0.749	0.44	0.441	14.60	19.95	73170	73000	99990	99770	1.20	8.0	15.0	
3	0.667	4	0.500	0.20	0.196	6.19	8.43	68230	69630	92960	94860	1.60	8.0	20.0	
4	0.665	4	0.498	0.20	0.195	6.24	8.53	68800	70560	94090	96500	1.60	8.0	20.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

G 3 Engineering Consultants

Test Performed By:

Dr. /Engr. Wasim Abbas

RE G3 Engg.(Master Planning, Designing &Const. Supervision Strengthening Of Uni Of Narowal)

Client Reference: G3/UON-RE/94

SOM Lab 5973 (Page-

Ref: 1/1)

Dated: 09-02-2022

Dated: 01-03-2022

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	2.707	8	1.007	0.79	0.796	29.58	38.35	82590	81960	107060	106250	1.30	8.0	16.3	
2	2.710	8	1.007	0.79	0.796	30.50	39.14	85150	84510	109280	108460	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 8	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

Al -Jalil Developers,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PM Al Jalil Garden Housing,(Const Of Main Gate Al Jalil Garden Housing Schem Ph-2 Skp)

Client Reference: AJG-2-St-L-01

SOM Lab 5974 (Page-

Ref: 1/1)

Dated: 24-02-2022

Dated: 01-03-2022

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	1.505	6	0.750	0.44	0.442	14.27	18.57	71540	71210	93100	92680	1.30	8.0	16.3	
2	1.500	6	0.749	0.44	0.441	14.14	18.50	70870	70710	92740	92530	1.30	8.0	16.3	
3	0.646	4	0.492	0.20	0.190	6.68	8.23	73630	77500	90720	95490	1.20	8.0	15.0	
4	0.649	4	0.493	0.20	0.191	6.65	8.15	73290	76750	89930	94170	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Maj Adnan Khalid (R)

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Dy Dir MTL DHA Lahore,(Infra Dev Works Of Sec-X DHA Ph-VII (M/s DHA-C))

Client Reference: 408/241/32/Lab/58/31

SOM Lab

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Ref:

1/1)

Dated: 01-03-2022

Dated:

01-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	0.681	4	0.505	0.20	0.200	6.51	8.99	71830	71830	99150	99150	1.30	8.0	16.3	
2	0.679	4	0.505	0.20	0.200	6.49	8.97	71610	71610	98920	98920	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 4	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