

Engr. Major Zia-UI-Islam ®

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PD GCC,Overseas Const.Co, Lahore.(Project Gulberg City Cerntr, Lahore)

Client Reference: OCC/Steel/38

SOM Lab

Ref: 1963 (Page-1/1)

Dated: 21-03-2023

Dated: 21-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	0.671	4	0.501	0.20	0.197	7.16	8.87	78910	80110	97800	99290	1.10	8.0	13.8	
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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

Mirza Muhammad Shahzad,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nespak Lahore.(Const Of Multi-Level Grade Separation Flyover at Shahdra Morr Lahore)

Client Reference: 4537/03/MSA/09/23

SOM Lab

Ref:

1964 (Page-1/1)

Dated: 20-03-2023

Dated:

21-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	2.646	8	0.995	0.79	0.778	27.37	35.02	76410	77590	97750	99260	1.50	8.0	18.8	A-371
2	2.651	8	0.996	0.79	0.779	27.01	34.66	75420	76480	96760	98120	1.60	8.0	20.0	B-3424
3	2.650	8	0.996	0.79	0.779	26.88	34.61	75050	76110	96620	97980	1.60	8.0	20.0	E-8694
4	0.672	4	0.501	0.20	0.197	6.29	8.12	69360	70410	89590	90960	1.10	8.0	13.8	B-3499
5	0.674	4	0.502	0.20	0.198	6.49	8.23	71610	72330	90720	91630	1.10	8.0	13.8	E-8772
6	0.670	4	0.501	0.20	0.197	6.65	8.41	73290	74410	92740	94150	1.00	8.0	12.5	E-8775
7	0.673	4	0.502	0.20	0.198	6.37	8.21	70260	70970	90490	91400	1.00	8.0	12.5	E-8776
8	0.672	4	0.501	0.20	0.197	6.54	8.41	72170	73270	92740	94150	1.10	8.0	13.8	D-7999
9	0.672	4	0.501	0.20	0.197	6.60	8.48	72730	73840	93530	94950	1.10	8.0	13.8	D-8004
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BEND TEST:

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

Sr.# (4-9) Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Eighteen Samples Received and Tested

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

Builders Grew
Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 1965 (Page-1/1)

Dated: 21-03-2023

Dated: 21-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	0.672	4	0.501	0.20	0.197	6.90	9.79	76100	77260	107910	109560	1.20	8.0	15.0	
2	0.672	4	0.501	0.20	0.197	6.85	9.76	75540	76690	107580	109210	1.20	8.0	15.0	
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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

Muhammad Asif

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberh-III,Lahore)

Client Reference: IMP/PM/66/04/142

SOM Lab

Ref: 1966 (Page-1/2)

Dated: 21-03-2023

Dated: 21-03-2023

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	2.602	8	0.987	0.79	0.765	24.62	34.68	68730	70970	96820	99980	1.40	8.0	17.5	
2	2.607	8	0.988	0.79	0.766	24.69	34.71	68930	71090	96900	99940	1.40	8.0	17.5	
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Witnessed By: M. Husnain, Site Engineer (Imperium Developers)

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

Muhammad Asif

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberh-III,Lahore)

Client Reference: IMP/PM/66/04/141

SOM Lab

Ref:

1966 (Page-2/2)

Dated: 21-03-2023

Dated:

21-03-2023

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	0.672	4	0.501	0.20	0.197	6.47	8.82	71380	72470	97230	98720	1.00	8.0	12.5	
2	0.671	4	0.501	0.20	0.197	6.47	8.87	71380	72470	97800	99290	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Witnessed By: M. Husnain, Site Engineer (Imperium Developers)

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

Sub Divisional officer,

Test Performed By: Dr. /Engr. Wasim Abbas

HSD Faisalabad.(Re-Const Of Carpet Rd From Chak No.30/JB to Aminpur Faisalabad L 4.40KM)

Client Reference: 429/F-II

SOM Lab

Ref: 1967 (Page-1/1)

Dated: 27-02-2023

Dated: 21-03-2023

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	0.672	4	0.501	0.20	0.197	6.49	8.74	71610	72700	96340	97800	1.00	8.0	12.5	
2	0.671	4	0.501	0.20	0.197	7.00	8.99	77230	78400	99150	100660	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Sub Divisional officer,

Test Performed By: Dr. /Engr. Wasim Abbas

BSD No.3 Lhr.(Expansion and Revamping of Warehouse at Medical Store Depot, Lahore)

Client Reference: 494/T

SOM Lab

Ref: 1968 (Page-1/1)

Dated: 13-03-2023

Dated: 21-03-2023

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	2.672	8	1.000	0.79	0.785	24.03	35.42	67080	67500	98890	99520	1.40	8.0	17.5	
2	2.670	8	1.000	0.79	0.785	24.13	35.42	67360	67790	98890	99520	1.50	8.0	18.8	
3	1.506	6	0.751	0.44	0.443	13.99	19.37	70100	69630	97080	96420	1.30	8.0	16.3	
4	1.504	6	0.750	0.44	0.442	13.48	19.37	67550	67240	97080	96640	1.40	8.0	17.5	
5	0.672	4	0.501	0.20	0.197	6.93	8.92	76440	77600	98360	99860	1.10	8.0	13.8	
6	0.670	4	0.501	0.20	0.197	6.65	8.58	73290	74410	94650	96090	1.20	8.0	15.0	
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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

