

Engr. Zaheer Ahmed Baber

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

Project Manager-Tech.Office #19 Civic Center Guttwala Fsd.(Const.Of Flyover at Sitara Green City)

Client Reference: SGC/UIA/71

SOM Lab Ref:

3129(Page-

1/1)

Dated: 04-11-2023

Dated:

06-11-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 m

Sample Type:

MS Def Bar (Faizan 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	3.996	25	25.46	491	509	288.50	356.20	588	567	725	700	30.0	200	15.0	
2	3.998	25	25.47	491	509	287.00	355.50	585	564	724	699	32.5	200	16.3	
3	2.478	20	20.05	314	316	164.00	208.70	522	520	665	662	35.0	200	17.5	
4	2.502	20	20.15	314	319	164.50	210.00	524	517	669	659	32.5	200	16.3	
5	1.569	16	15.96	201	200	115.20	141.50	573	577	704	708	30.0	200	15.0	
6	1.582	16	16.02	201	202	103.20	130.00	513	513	647	645	25.0	200	12.5	
7	0.995	12	12.71	113	127	66.70	78.00	590	526	690	616	25.0	200	12.5	
8	0.987	12	12.65	113	126	64.50	78.20	571	514	692	622	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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

Malik Amir Haider

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

Dy Dir (Maint) NHA, Sahiwal.(Const of Office Building for Dy.Dir (Maint) NHA Sahiwal)

Client Reference: AE-PS-2022-23-N5-01/DD/SWL/PS/NHA/2023/1230

SOM Lab Ref: 3133 (Page-1/1)

Dated: 05-10-2023

Dated: 06-11-2023

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 m

Sample Type: MS Def 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	2.213	20	18.95	314	282	153.70	195.00	489	546	621	692	37.5	200	18.8	
2	2.215	20	18.95	314	282	153.00	197.20	487	543	628	699	37.5	200	18.8	
3	2.216	20	18.96	314	282	154.50	194.70	492	548	620	690	32.5	200	16.3	
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BEND TEST:

20mm	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

ES Consultant (Pvt) Ltd.

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

Lhr.(M/Storey Comercial Building Complex at OPF H/Scheme,Khayaban-e-Jinnah Raiwind Rd,Lhr)

Client Reference: ESC/OPF-ISL/6047

SOM Lab

Ref: 3126 (Page-1/1)

Dated: 06-09-2023

Dated: 06-10-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 h

Sample Type:

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	0.673	4	0.502	0.20	0.198	5.91	8.74	65200	65860	96340	97310	1.20	8.0	15.0	
2	0.681	4	0.505	0.20	0.200	6.03	8.89	66550	66550	98020	98020	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

Engr. Jawad Waseem Khan

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

MS Paidar Builders (Pvt) Ltd. (Const Of TCF Primary School Unit-1 Kot Addu Muzaffargarh)

Client Reference: PBL/UET/2023

SOM Lab

Ref: 3127(Page-1/1)

Dated: 17-10-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

Sample Type: Deformed Bar (Itefaq 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	1.485	6	0.745	0.44	0.436	15.26	19.27	76490	77190	96570	97460	1.10	8.0	13.8	
2	0.673	4	0.502	0.20	0.198	6.12	9.40	67450	68130	103640	104690	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Assistant Engineer (Civil)

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

B&W Deptt.UET Lhr.(Const. Of Upper Floor Of Existing Building of the Deptt of Computer Science)

Client Reference: B&W/ECSC/16

SOM Lab

Ref: 3128 (Page-1/1)

Dated: 06-11-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.669	8	0.999	0.79	0.784	25.08	35.73	70010	70540	99750	100510	1.30	8.00	16.3	
2	2.688	8	1.003	0.79	0.790	25.05	35.68	69920	69920	99600	99600	1.40	8.00	17.5	
3	1.470	6	0.742	0.44	0.432	13.76	19.18	68980	70260	96160	97940	1.20	8.00	15.0	
4	1.468	6	0.741	0.44	0.431	13.78	19.22	69080	70530	96320	98330	1.20	8.00	15.0	
5	0.673	4	0.502	0.20	0.198	7.10	8.89	78350	79140	98020	99010	1.10	8.00	13.8	
6	0.668	4	0.500	0.20	0.196	7.05	8.89	77790	79380	98020	100020	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	
# 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

Engr. Babar Majeed

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

Co-Opted Member Building Sub Committee. Govt Of KPK Project Dir Provincial Expressways PHA.

Client Reference: 561/Std/C&W

SOM Lab

Ref: 3131(Page-1/1)

Dated: 23-10-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 h

Sample Type: Deformed Bar (Amir 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	2.644	8	0.995	0.79	0.777	25.50	34.66	71200	72400	96760	98380	1.60	8.0	20.0	
2	2.610	8	0.988	0.79	0.767	26.42	34.25	73770	75980	95620	98490	1.50	8.0	18.8	
3	1.471	6	0.742	0.44	0.432	14.78	19.98	74090	75460	100150	102000	1.30	8.0	16.3	
4	1.472	6	0.743	0.44	0.433	14.75	19.85	73940	75130	99480	101090	1.30	8.0	16.3	
5	0.670	4	0.501	0.20	0.197	6.37	8.33	70260	71330	91840	93240	1.00	8.0	12.5	
6	0.664	4	0.498	0.20	0.195	6.37	8.36	70260	72060	92180	94540	1.00	8.0	12.5	
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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

Four Star Naru Construction Company.(Rehabliation of 36" RCC Pipe Line Stadium Road Daska)

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

Client Reference: Nil

SOM Lab

Ref: 3132(Page-1/1)

Dated: 06-11-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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	0.550	4	0.454	0.20	0.162	4.10	6.17	45190	55790	68010	83960	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

Muhammad Saleem, ME

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

Nespak Bhowana.(Punjab Rural Sustainable Water Supply & Sanitation Project)(EDCS)

Client Reference: NESPAK(PRSWSSP) BHOWANA-RE-25

SOM Lab

Ref: 3134 (Page-1/1)

Dated: 01-11-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Def. Bar (Batala Gold 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	2.674	8	1.000	0.79	0.786	24.87	35.70	69440	69790	99660	100170	1.50	8.00	18.8	
2	2.673	8	1.000	0.79	0.786	24.97	35.75	69720	70080	99800	100310	1.60	8.00	20.0	
3	1.501	6	0.749	0.44	0.441	17.53	20.85	87880	87690	104490	104250	1.30	8.00	16.3	
4	1.508	6	0.751	0.44	0.443	17.53	21.10	87880	87290	105770	105050	1.40	8.00	17.5	
5	0.670	4	0.501	0.20	0.197	5.96	9.12	65760	66760	100610	102140	1.10	8.00	13.8	
6	0.674	4	0.502	0.20	0.198	5.86	8.94	64640	65290	98580	99580	1.00	8.00	12.5	
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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

Muhammad Asif
 PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberg-III,Lahore)

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

Client Reference: IMP/PM/66/04/91

SOM Lab

Ref: 3136-3135 (P-1/1)

Dated: 06-11-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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	1.493	6	0.748	0.44	0.439	14.34	20.18	71890	72060	101170	101400	1.10	8.0	13.8	
2	1.508	6	0.751	0.44	0.443	14.46	21.48	72510	72010	107660	106930	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Witnessed By: M. Husnain Imran (Imperium Developers)

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

Metroplan-Asian JV

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

Site Office JHL ET,Lahore.(Estb Of Emergency & Trauma Center at Jinnah Hospital Lahore)

Client Reference: Metroplan-Asian JV ET-JHL-RE-080-2023

SOM Lab
Ref: 3137(Page-1/1)

Dated: 06-11-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 h

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	1.489	6	0.747	0.44	0.438	13.46	18.88	67450	67760	94630	95060	1.60	8.0	20.0	
2	1.485	6	0.745	0.44	0.436	13.22	18.81	66270	66880	94270	95140	1.60	8.0	20.0	
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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

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/60

SOM Lab

Ref: 3147 (Page-1/3)

Dated: 01-11-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 h

Sample Type:

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	6.70	8.69	73850	74980	95770	97230	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	6.85	8.82	75540	77080	97230	99220	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

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/54

SOM Lab

Ref: 3147 (Page-2/3)

Dated: 30-10-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 h

Sample Type:

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	1.492	6	0.747	0.44	0.438	15.19	19.75	76130	76480	98970	99420	1.40	8.0	17.5	
2	1.493	6	0.748	0.44	0.439	15.21	19.67	76240	76410	98610	98840	1.20	8.0	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/58

SOM Lab

Ref: 3147 (Page-3/3)

Dated: 31-10-2023

Dated: 06-11-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 h

Sample Type:

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	2.657	8	0.997	0.79	0.781	29.58	34.66	82590	83540	96760	97870	1.20	8.0	15.0	
2	2.654	8	0.997	0.79	0.780	29.71	34.83	82960	84020	97240	98490	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Test Performed by: .S. Asad Ali Gillani

Engr. Waqas Rasool
PM Cade Creet`s Associates,
Engineer & Contractors Muzaffarabad AJ &K.

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/3130 (Page 1/1)
Test Type: Tension Test
Sample Type: MS Pipe

Dated: 06-11-2023

Dated: 06-11-2023

Tension Test Results

Sr. No.	Sample Size	Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Strength (MPa)	Ultimate Strength (MPa)	Elongation (%)
1	24.9 x 8.3	206.67	98.0	115.0	474.18	556.44	30

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

Test Performed by: S. Asad Ali Gillani

Farhan Sajid
Team Leader HA Consulting
Lahore.
(Construction Of Central Building in LT Park at PAF Air Base, Lahore)

Client Reference No.: 23/HAC/NASTP/0721

Dated: 12-10-2023

SOM Lab Ref: CED/SOM/3138 (Page 1/2)

Dated: 06-11-2023

Test Type: Tensile Test

Sample Type: J-Bolt

Gauge Length: 8 inches

Tensile Test Results

Sample No.	Measured Diameter (mm)	Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	% Elongation
1	18.5	268.6	89.0	94.0	331.3	349.9	2.50
2	19.1	286.4	151.0	249.5	527.3	871.2	11.25

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

Test Performed by: S. Asad Ali Gillani

Farhan Sajid
Team Leader HA Consulting
Lahore.
(Construction Of Central Building in LT Park at PAF Air Base, Lahore)

Client Reference No.: 23/HAC/NASTP/0721

Dated: 12-10-2023

SOM Lab Ref: CED/SOM/3138 (Page 2/2)

Dated: 06-11-2023

Test Type: Tensile Test

Sample Type: Nut-Bolt

Gauge Length: 1 inches

Tensile Test Results

Sample No.	Measured Diameter (mm)	Area (mm ²)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	15.9	198.45	197.2	993.7	30.0
2	16.0	200.96	202.0	1000.5	30.0

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

