

Saifullah Amin

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Senior RE Nespak Sialkot.(Punjab Intermediate Cities Improvement Inverstment Program)

Client Reference: NESPAK/SA/UET/035

SOM Lab

Ref: 1535 (Page-1/1)

Dated: 02-01-2023

Dated: 05-01-2023

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	0.671	4	0.501	0.20	0.197	6.34	8.53	69920	70990	94090	95520	1.40	8.0	17.5	
2	0.674	4	0.502	0.20	0.198	6.09	8.28	67110	67790	91280	92200	1.40	8.0	17.5	
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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

Engr. Major Zia-UI-Islam ®

Test Performed By:

Dr. /Engr. Asad Ali Gillani

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

Client Reference: OCC/Steel/27

SOM Lab

Ref: 1536 (Page-1/1)

Dated: 05-01-2023

Dated: 05-01-2023

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	0.673	4	0.502	0.20	0.198	6.95	8.82	76660	77440	97230	98220	1.40	8.0	17.5	
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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

ALFA TECH

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dera Ghazi Khan (Project: APS (Girls) Sarfaraz Rafiqui Road, Lahore

Client Reference: Nil

SOM Lab

Ref:

1537 (Page-1/1)

Dated: 05-01-2023

Dated:

05-01-2023

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	2.619	8	0.990	0.79	0.770	29.20	36.03	81530	83650	100600	103210	1.50	8.0	18.8	Mughal
2	2.614	8	0.989	0.79	0.768	29.41	36.26	82100	84450	101230	104130	1.30	8.0	16.3	Mughal
3	1.523	6	0.755	0.44	0.448	15.75	19.88	78940	77530	99640	97860	1.30	8.0	16.3	Mughal
4	1.524	6	0.755	0.44	0.448	15.84	19.80	79400	77990	99230	97460	1.30	8.0	16.3	Mughal
5	1.521	6	0.754	0.44	0.447	15.19	20.59	76130	74940	103210	101600	1.30	8.0	16.3	S.J
6	1.525	6	0.755	0.44	0.448	15.31	20.82	76750	75380	104340	102470	1.30	8.0	16.3	S.J
7	0.673	4	0.502	0.20	0.198	7.21	8.61	79470	80280	94990	95950	1.10	8.0	13.8	Mughal
8	0.672	4	0.501	0.20	0.197	7.29	8.66	80370	81600	95550	97000	1.10	8.0	13.8	Mughal
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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
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Twelve Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Wasif Manzoor
Salman Developers Lahore.(Park House Apartments)

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

Client Reference: Nil

SOM Lab

Ref: 1538 (Page-1/1)

Dated: 05-01-2023

Dated: 05-01-2023

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	2.623	8	0.991	0.79	0.771	26.71	34.12	74560	76400	95250	97600	1.30	8.0	16.3	
2	2.616	8	0.990	0.79	0.769	26.50	33.89	73990	76010	94620	97210	1.50	8.0	18.8	
3	1.461	6	0.739	0.44	0.429	14.39	18.81	72150	74000	94270	96690	1.10	8.0	13.8	
4	1.458	6	0.738	0.44	0.428	14.58	19.01	73070	75120	95290	97960	1.30	8.0	16.3	
5	0.675	4	0.502	0.20	0.198	6.88	8.99	75880	76640	99150	100150	1.30	8.0	16.3	
6	0.674	4	0.502	0.20	0.198	6.88	9.00	75880	76640	99260	100260	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

Engr Khalid Sattar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE DHQ Hospital Hafizabad.(Up-gradation of D.H.Q Hospital Hafizaabad Group No.1)

Client Reference: MCE/DHQ Hafizabad/22/10

SOM Lab

Ref:

1540 (Page-1/1)

Dated: 28-12-2022

Dated:

05-01-2023

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	2.640	8	0.994	0.79	0.776	27.78	35.78	77550	78950	99890	101690	1.50	8.0	18.8	
2	2.625	8	0.991	0.79	0.771	27.19	35.60	75900	77770	99380	101830	1.30	8.0	16.3	
3	1.480	6	0.744	0.44	0.435	14.42	19.59	72300	73130	98210	99330	1.50	8.0	18.8	
4	1.482	6	0.745	0.44	0.436	14.37	19.52	72050	72710	97850	98750	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	6.14	8.18	67670	68700	90150	91530	1.10	8.0	13.8	
6	0.672	4	0.501	0.20	0.197	6.14	8.21	67670	68700	90490	91870	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

Test Performed by: Dr. Asad Ali Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore

(Constructions Of sky Gardens Tower,Lahore)

Client Reference No.: HRLE/SKG/2023/107/(250)

Dated: 05-01-2023

SOM Lab Ref: CED/SOM/1539 (Page 1/1)

Dated: 05-01-2023

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm ²)	kN	kN	(Mpa)	(Mpa)	
1	16	201	96.7	115.2	481	573	Steel Breaks from Threaded Portions
2	16	201	92.0	112.0	458	557	Threaded Failure (Slippage failure)

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

