

Engr. Zaheer Ud Din Babar

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

Dy. General Manager Projects.HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

Client Reference: HRLE/SKG/2023/132/5572

SOM Lab Ref:

2841 (Page-1/1)

Dated: 11-09-2023

Dated:

11-09-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 m

Sample Type:

Deformed Bar (Batala Premium)

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	1.525	16	15.72	201	194	93.20	134.70	464	481	670	695	25.0	200	12.5	
2	1.526	16	15.73	201	194	95.90	137.70	477	494	685	709	25.0	200	12.5	
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BEND TEST:

16mm	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

Aamir Shahzad
Alvi

Test Performed By: Dr. /Engr. Waseem Abbass

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

Client Reference: QC/HQ/CIVIL/132

Dated : 11-09-2023

SOM Lab Ref: CED/SOM/2842(Page-1/1)

Dated : 11-09-2023

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	2.321	20	19.41	314	296	161.70	222.50	515	547	708	752	30.0	200	15.0	
2	2.264	20	19.17	314	288	160.20	215.50	510	556	686	748	30.0	200	15.0	
3	1.544	16	15.83	201	197	102.20	137.70	508	520	685	700	30.0	200	15.0	
4	1.511	16	15.66	201	193	90.20	126.00	449	469	627	655	32.5	200	16.3	
5	0.992	12	12.69	113	126	58.70	82.70	519	465	731	655	27.5	200	13.8	
6	1.002	12	12.75	113	128	61.70	85.00	546	484	752	666	32.5	200	16.3	
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BEND TEST:

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

Engr. Hassan Abid
RE-2 ACES,DHA Multan.

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

Client Reference: ACES/DHAM/SEC-V/1190

Dated : 07-09-2023

SOM Lab Ref: CED/SOM/2838(Page-1/1)

Dated : 11-09-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (SJ Steel)

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	2.195	16	18.88	201	280	151.50	198.70	753	542	988	710	27.5	200	13.8	
2	2.194	16	18.86	201	279	149.50	196.20	744	536	976	703	30.0	200	15.0	
3	0.997	12	12.72	113	127	67.20	83.70	594	530	740	660	30.0	200	15.0	
4	1.000	12	12.74	113	127	65.50	83.00	579	515	734	652	30.0	200	15.0	
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BEND TEST:

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

Zahid Mughal
C/O M/S Amanah Noor Residence Wapda Town, Lahore.

Test Performed By: Dr. /Engr. Asad Ali

Client Reference: Nil

SOM Lab

Ref: 2836 (Page-1/1)

Dated: 11-09-2023

Dated: 11-09-2023

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	2.551	8	0.977	0.79	0.750	26.96	34.88	75270	79290	97380	102580	1.50	8.0	18.8	
2	1.516	6	0.754	0.44	0.446	16.16	19.22	80990	79900	96320	95020	1.40	8.0	17.5	
3	0.655	4	0.494	0.20	0.192	5.98	7.29	65990	68740	80370	83720	1.20	8.0	15.0	
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BEND TEST:

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

Saqib Akram,RE
Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

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

Client Reference: 3772/103/ACF/SA/04/203

SOM Lab

Ref: 2837 (Page-1/1)

Dated: 29-08-2023

Dated: 11-09-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	2.589	8	0.984	0.79	0.761	24.99	34.51	69780	72440	96330	100000	1.40	8.00	17.5	
2	2.579	8	0.982	0.79	0.758	24.82	34.30	69300	72220	95760	99800	1.40	8.00	17.5	
3	1.417	6	0.728	0.44	0.416	14.83	19.67	74350	78630	98610	104300	1.10	8.00	13.8	
4	1.445	6	0.736	0.44	0.425	15.87	20.44	79560	82360	102450	106060	1.00	8.00	12.5	
5	1.015	5	0.616	0.31	0.298	10.50	14.09	74700	77710	100230	104260	1.10	8.00	13.8	
6	1.021	5	0.618	0.31	0.300	10.37	13.99	73760	76220	99500	102820	1.00	8.00	12.5	
7	0.667	4	0.500	0.20	0.196	6.39	8.79	70480	71920	96900	98880	1.00	8.00	12.5	
8	0.671	4	0.501	0.20	0.197	5.78	8.21	63740	64710	90490	91870	1.00	8.00	12.5	
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BEND TEST:

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

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

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

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1648

SOM Lab

Ref: 2839 (Page-1/2)

Dated: 09-09-2023

Dated: 11-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Deformed Bar (Nomee
Steel)

Gauge Length: 8 h

Sample Type:

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	0.668	4	0.500	0.20	0.196	5.76	8.77	63510	64810	96670	98650	1.20	8.0	15.0	
2	0.671	4	0.501	0.20	0.197	5.67	8.69	62500	63450	95770	97230	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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(OHWT Executive Block)

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

Client Reference: 111/15/AD/RS/Lab/OHWT-EB/17

SOM Lab

Ref: 2839 (Page-2/2)

Dated: 09-09-2023

Dated: 11-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Nomee 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	2.625	8	0.991	0.79	0.771	26.30	34.22	73420	75230	95530	97890	1.40	8.0	17.5	
2	2.632	8	0.992	0.79	0.773	25.35	33.54	70780	72330	93630	95690	1.40	8.0	17.5	
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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

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

Test Performed By: Dr. /Engr. Waseem Abbass

Client Reference: 111/15/AD/RS/Lab/Sec-L/435

SOM Lab

Ref: 2840 (Page-1/1)

Dated: 05-09-2023

Dated: 11-09-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

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	3.259	9	1.104	1.00	0.958	28.19	39.60	62160	64890	87340	91170	1.70	8.00	21.3	
2	3.214	9	1.097	1.00	0.945	27.98	39.76	61720	65310	87680	92780	1.70	8.00	21.3	
3	1.483	6	0.745	0.44	0.436	14.09	18.37	70620	71260	92070	92920	1.40	8.00	17.5	
4	1.494	6	0.748	0.44	0.439	13.99	18.42	70100	70260	92330	92540	1.50	8.00	18.8	
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BEND TEST:

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

