

Azam Wahab

Const. Manager, Akhuzada Associates (Pvt) Ltd. (Const. of 01 No. Of 3 storey building in Sheikhpura in Punjab)

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Client Reference: AA/UNOPS/020/01

SOM Lab Ref:

2666(Page-1/1)

Dated: 02-07-2020

Dated:

02-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar(FFSTEEL)

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	1.538	6	0.759	0.44	0.452	14.58	19.57	73070	71130	98100	95500	1.40	8.0	17.5	
2	1.528	6	0.756	0.44	0.449	14.53	19.44	72810	71350	97440	95490	1.30	8.0	16.3	
3	1.093	5	0.639	0.31	0.321	10.55	14.24	75060	72490	101310	97840	1.30	8.0	16.3	
4	1.103	5	0.642	0.31	0.324	10.70	14.34	76150	72860	102040	97630	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	6.47	8.41	71380	72100	92740	93680	1.20	8.0	15.0	
6	0.677	4	0.503	0.20	0.199	6.49	8.46	71610	71970	93300	93770	1.20	8.0	15.0	
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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

Engr M. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

SOM Lab

Ref: 2667(Page-1/1)

Dated: 02-07-2020

Dated: 2-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

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	2.635	8	0.993	0.79	0.774	22.91	35.98	63950	65270	100460	102530	1.20	8.0	15.0	
2	2.597	8	0.986	0.79	0.763	22.70	35.85	63380	65620	100090	103630	1.10	8.0	13.8	
3	1.492	6	0.747	0.44	0.438	13.93	20.13	69850	70170	100910	101370	1.00	8.0	12.5	
4	1.501	6	0.749	0.44	0.441	15.26	21.51	76490	76320	107810	107570	1.00	8.0	12.5	
5	0.662	4	0.498	0.20	0.195	6.75	9.45	74420	76320	104200	106880	1.10	8.0	13.8	
6	0.669	4	0.501	0.20	0.197	6.01	8.97	66320	67330	98920	100430	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

Syed Yasir Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Resident Engineer, Establishment of UET Lahore Sub Campus at Narowal, NESPAK (Pvt) Ltd.

Client Reference: 3863/13/SYA/Labtesting /06

SOM Lab Ref: 2668(Page-1/1)

Dated: 01-07-2020

Dated: 02-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Mahboob &Batala 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	1.527	6	0.756	0.44	0.449	15.49	20.08	77670	76110	100660	98640	1.20	8.0	15.0	Mahboob
2	1.521	6	0.754	0.44	0.447	15.65	20.03	78430	77200	100400	98830	1.40	8.0	17.5	Mahboob
3	0.656	4	0.496	0.20	0.193	7.16	9.35	78910	81770	103080	106820	1.00	8.0	12.5	Mahboob
4	0.658	4	0.496	0.20	0.193	7.16	9.53	78910	81770	105100	108920	1.20	8.0	15.0	Maboob
5	1.484	6	0.745	0.44	0.436	12.59	18.91	63100	63680	94780	95650	1.20	8.0	15.0	Batala
6	1.482	6	0.745	0.44	0.436	12.51	18.83	62700	63270	94370	95240	1.40	8.0	17.5	Batala
7	0.676	4	0.503	0.20	0.199	6.07	9.40	66890	67220	103640	104160	1.40	8.0	17.5	Batala
8	0.681	4	0.505	0.20	0.200	6.12	9.50	67450	67450	104770	104770	1.20	8.0	15.0	Batala
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 4	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: Please always confirm the results of above report on web www.uet-civil.edu.pk

ATIQUAH AHMAD

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

ARE - ADP Project, NESPAK, (Pvt) Ltd. (Rehabilitaion of Drainage Network in District Muzaffargarh)

Client Reference: 3158/13/CAA/09/1448

SOM Lab Ref: 2669(Page-1/1)

Dated: 15-06-2020

Dated: 02-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (AF Steel)

Gauge Length: 8 inch

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	2.699	8	1.005	0.79	0.793	26.57	37.36	74190	73910	104300	103900	1.10	8.0	13.8	
2	2.699	8	1.005	0.79	0.793	25.45	37.07	71060	70790	103500	103110	1.00	8.0	12.5	
3	1.503	6	0.750	0.44	0.442	13.66	20.03	68470	68160	100400	99950	1.10	8.0	13.8	
4	1.504	6	0.750	0.44	0.442	13.73	20.10	68830	68520	100760	100300	1.20	8.0	15.0	
5	0.658	4	0.496	0.20	0.193	6.11	8.38	67340	69780	92400	95750	1.00	8.0	12.5	
6	0.655	4	0.494	0.20	0.192	6.78	8.51	74750	77870	93860	97770	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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

By Dir MTL, Const of Boundry Wall R- Block , DHA Ph-9, (Prism) - (M/S JR Private)

Client Reference: 408/241/E/Lab/934

SOM Lab

Ref: 2070(Page-1/1)

Dated: 01-06-2020

Dated: 02-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Ehsan Steel)

Gauge Length: 8 inch

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	1.484	6	0.745	0.44	0.436	15.29	19.37	76640	77350	97080	97970	1.00	8.0	12.5	
2	1.477	6	0.743	0.44	0.434	15.29	19.44	76640	77700	97440	98790	1.30	8.0	16.3	
3	0.656	4	0.496	0.20	0.193	5.68	8.77	62610	64890	96670	100180	1.10	8.0	13.8	
4	0.660	4	0.497	0.20	0.194	5.68	8.74	62610	64550	96340	99310	1.20	8.0	15.0	
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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

TSM Design Studio (Pvt) Ltd.,
Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

SOM Lab

Ref: 2671(Page-1/1)

Dated: 02-07-2020

Dated: 02-07-2020

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

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	1.517	6	0.754	0.44	0.446	13.76	20.23	68980	68050	101420	100060	1.40	8.0	17.5	
2	1.532	6	0.757	0.44	0.450	13.30	19.78	66680	65200	99130	96920	1.50	8.0	18.8	
3	1.531	6	0.757	0.44	0.450	13.35	19.90	66940	65450	99740	97520	1.40	8.0	17.5	
4	0.674	4	0.502	0.20	0.198	6.65	8.97	73290	74030	98920	99920	1.40	8.0	17.5	
5	0.671	4	0.501	0.20	0.197	6.73	9.02	74190	75320	99480	101000	1.30	8.0	16.3	
6	0.673	4	0.502	0.20	0.198	6.75	9.07	74420	75170	100050	101060	1.20	8.0	15.0	
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BEND TEST:

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

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

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Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/935/5349

SOM Lab

Ref: 2672(Page-1/1)

Dated: 02-07-2020

Dated: 02-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran

Gauge Length: 8 inch

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	1.474	6	0.743	0.44	0.433	13.53	18.20	67810	68900	91210	92680	1.40	8.0	17.5	
2	1.479	6	0.744	0.44	0.435	12.71	18.65	63720	64450	93510	94580	1.40	8.0	17.5	
3	0.656	4	0.496	0.20	0.193	5.86	8.21	64640	66980	90490	93770	1.00	8.0	12.5	
4	0.655	4	0.494	0.20	0.192	6.03	8.31	66550	69320	91610	95430	1.00	8.0	12.5	
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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

Akhtar Rasul
Teem CS Arch., DHA Ph. VI, Lahore

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

Client Reference: nil
Dated: 02-07-2020

SOM Lab
Ref: 2673(Page-1/1)
Dated: 02-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615
Deformed
Bar

Gauge Length: 8 inch

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	1.446	6	0.736	0.44	0.425	15.16	20.10	75980	78660	100760	104320	1.20	8.0	15.0	
2	1.433	6	0.732	0.44	0.421	14.83	19.85	74350	77700	99480	103970	1.30	8.0	16.3	
3	0.692	4	0.508	0.20	0.203	7.10	8.94	78350	77190	98580	97130	1.10	8.0	13.8	
4	0.692	4	0.508	0.20	0.203	7.72	9.33	85100	83840	102860	101340	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