Pace Barka
Lahore

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

Client Reference: **Nil**
Dated: **16-12-2020**

SOM Lab Ref: **3440(Page-1/1)**
Dated: **16-12-2020**

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	1.497	6	0.748	0.44	0.440	14.34	19.98	71890	71890	100150	100150	1.50	8.0	18.8	
2	1.496	6	0.748	0.44	0.440	14.75	20.36	73940	73940	102040	102040	1.20	8.0	15.0	
3	0.666	4	0.500	0.20	0.196	6.90	8.92	76100	77660	98360	100370	1.30	8.0	16.3	
4	0.665	4	0.498	0.20	0.195	6.88	8.99	75880	77820	99150	101690	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Engr Muddasir Tahir
Construction Manager, zameen Aurum, Lahore

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

Client Reference: **ZD/ZO/PIING/004**
Dated: **16-10-2020**

SOM Lab Ref: **3441(Page-1/1)**
Dated: **16-12-2020**

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	2.605	8	0.988	0.79	0.766	23.96	34.56	66880	68970	96470	99500	1.10	8.0	13.8	
2	2.581	8	0.982	0.79	0.758	25.05	35.22	69920	72880	98320	102470	1.10	8.0	13.8	
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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

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

Project Manager, Qaiser Constrion Company, Lahore

Client Reference: **Nil** **SOM Lab Ref:** **3442(Page-1/1)**

Dated: **16-10-2020** **Dated:** **16-12-2020**

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	2.616	8	0.990	0.79	0.769	30.78	37.84	85940	88290	105640	108520	1.00	8.0	12.5	
2	2.610	8	0.988	0.79	0.767	28.95	36.09	80820	83250	100740	103760	1.00	8.0	12.5	
3	1.524	6	0.755	0.44	0.448	15.85	20.23	79450	78040	101420	99610	1.10	8.0	13.8	
4	1.540	6	0.759	0.44	0.453	15.65	20.05	78430	76180	100500	97620	1.10	8.0	13.8	
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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

Note:-

Only Six Samples Received and Tested

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

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

Resident Engineer, QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

Client Reference: **QA/QC-Steel-2199** **SOM Lab Ref:** **3443(Page-1/1)**

Dated: **15-12-2020** **Dated:** **16-12-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615 Deformed Bar(FF Ssteel)**

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	1.422	6	0.730	0.44	0.418	16.72	21.61	83800	88210	108320	114020	1.20	8.0	15.0	
2	1.465	6	0.741	0.44	0.431	14.83	20.05	74350	75900	100500	102600	1.20	8.0	15.0	
3	0.669	4	0.501	0.20	0.197	6.70	9.17	73850	74980	101170	102710	1.00	8.0	12.5	
4	0.665	4	0.498	0.20	0.195	6.85	9.30	75540	77480	102520	105150	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Z. H. Kazmi **Test Performed By:** **Dr. /Engr.** **S Asad Ali Gillani**

Principal Architect, Z. H. Kazmi & Associates, Lahore

Client Reference: **nil** **SOM Lab Ref:** **3444(Page-1/1)**

Dated: **16-12-2020** **Dated:** **16-12-2020**

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	2.577	8	0.982	0.79	0.757	27.73	34.68	77410	80780	96820	101040	1.20	8.0	15.0	
2	1.449	6	0.736	0.44	0.426	13.46	18.37	67450	69660	92070	95100	1.10	8.0	13.8	
3	0.586	4	0.468	0.20	0.172	6.24	8.15	68800	80000	89930	104570	1.10	8.0	13.8	
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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
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Lt. Col. ® Muhammad Ibrahim **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Estate Engineer, Sundar Industrial Estate, Lahore

Client Reference: **BOM/SIE/BCD/6091** **SOM Lab Ref:** **3445(Page-1/1)**

Dated: **15-12-2020** **Dated:** **16-12-2020**

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	1.514	6	0.753	0.44	0.445	12.69	19.64	63620	62900	98460	97350	1.30	8.0	16.3	
2	1.518	6	0.754	0.44	0.446	12.54	19.69	62850	62000	98720	97390	1.40	8.0	17.5	
3	0.664	4	0.498	0.20	0.195	7.08	8.99	78130	80130	99150	101690	1.10	8.0	13.8	
4	0.674	4	0.502	0.20	0.198	7.31	9.19	80600	81410	101390	102420	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed

Note:-

Only Four Samples Received and Tested

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

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

Project Coordinator, Banu Mukhtar Contracting (Pvt) Ltd., (Project: NOVATEX PVT (Ltd) FSD)

Client Reference: **BML-300841/003** **SOM Lab Ref:** **3447(Page-1/2)**

Dated: **16-12-2020** **Dated:** **16-12-2020**

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	1.483	6	0.745	0.44	0.436	12.84	18.91	64380	64970	94780	95650	1.20	8.0	15.0	
2	1.498	6	0.748	0.44	0.440	12.84	18.88	64380	64380	94630	94630	1.40	8.0	17.5	
3	0.669	4	0.501	0.20	0.197	5.68	8.89	62610	63570	98020	99510	1.20	8.0	15.0	
4	0.673	4	0.502	0.20	0.198	5.66	8.89	62390	63020	98020	99010	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Sub Divisional Officer
Public Health Engg: Sub Division Gojra

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

Client Reference: **107/G**
Dated: **15-12-2020**

SOM Lab Ref: **3449(Page-1/1)**
Dated: **16-12-2020**

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	2.723	8	1.009	0.79	0.800	20.87	32.16	58260	57530	89790	88660	1.70	8.0	21.3	
2	1.498	6	0.748	0.44	0.440	12.46	17.25	62440	62440	86450	86450	0.80	8.0	10.0	
3	0.566	4	0.460	0.20	0.166	5.17	7.54	56990	68670	83180	100220	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed

Note:-

Only Three Samples Received and Tested

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**

Dy Dir MTL, Const of Security Accn, Sector-S, DHA Ph-II, (M/S Hashmi Brothers)

Client Reference: **408/241/E/Lab/1062/01** **SOM Lab Ref:** **3450(Page-1/1)**

Dated: **16-12-2020** **Dated:** **16-12-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615**

Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (ITTEFAQ 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	32.93	38.94	91920	93340	108710	110390	1.00	8.0	12.5	
2	2.642	8	0.994	0.79	0.776	32.11	38.18	89640	91260	106580	108500	1.10	8.0	13.8	
3	1.493	6	0.748	0.44	0.439	15.85	19.59	79450	79640	98210	98430	1.20	8.0	15.0	
4	1.497	6	0.748	0.44	0.440	16.11	19.78	80730	80730	99130	99130	1.20	8.0	15.0	
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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

Note:-

Only Six 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

AMJAD SAEED
Resident Engineer
NESPAK (Pvt) Ltd. Lahore

Client Reference: 3994/103/AS/02/295 **Dated: 06-11-2020**
SOM Laboratory Reference: CED/SOM/3448(Page-1/1) **Dated: 16-12-2020**
Test: Compressive Strength Tests
Sample Type: CAT – EYES (Raised Profile Type) Brand -M-3
Test Specification: ASTM-D4280

Test Results

Sr. No.	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	75.5 x 45.0	101.0 x 89.0	16.0	31.53^{o}	13150.0

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