

Latif Ahmad

Project Manager, Shahid Builders (Pvt) Ltd. Lahore (Const. of Burger King Pizza Hut Plaza)

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: nil

Dated: 14-05-2020

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 2499(Page-1/1)

Dated: 18-05-2020

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.472	6	0.743	0.44	0.433	13.81	18.42	69240	70360	92330	93820	1.40	8.0	17.5	
2	1.487	6	0.746	0.44	0.437	19.98	23.75	100150	100830	119050	119870	1.00	8.0	12.5	
3	0.661	4	0.497	0.20	0.194	6.54	8.53	72170	74400	94090	97000	1.00	8.0	12.5	
4	0.646	4	0.492	0.20	0.190	6.22	8.21	68570	72180	90490	95250	1.30	8.0	16.3	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>Only Six Samples Received and Tested</b>
# 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](http://www.uet-civil.edu.pk)

Hassan Saeed

Manager Accounts Customs, SA - RA Group, Energy Construction Trade and Industry Inc. Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: MIG/2020/536

SOM Lab Ref: 2500(Page-1/1)

Dated: 15-05-2020

Dated: 18-05-2020

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.642	8	0.994	0.79	0.776	24.08	33.56	67220	68430	93680	95380	1.40	8.0	17.5	
2	2.656	8	0.997	0.79	0.781	24.38	33.81	68070	68860	94400	95480	1.30	8.0	16.3	
3	2.614	8	0.989	0.79	0.768	23.09	32.31	64460	66310	90210	92800	1.40	8.0	17.5	
4	1.482	6	0.745	0.44	0.436	13.51	18.76	67700	68320	94020	94880	1.20	8.0	15.0	
5	1.471	6	0.742	0.44	0.432	16.99	21.78	85180	86750	109190	111210	1.30	8.0	16.3	
6	1.482	6	0.745	0.44	0.436	13.71	18.88	68730	69360	94630	95500	1.40	8.0	17.5	
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**BEND TEST:**

# 8(Sr.1-3)	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>Only Twelve Samples Received and Tested</b>
# 6(Sr.4-6)	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](http://www.uet-civil.edu.pk)

Tahir Yasiar

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

M. D, Elco Enterprises, Lahore (project: ABL Branch Shah Rukan-E-Alam, Multan)

Client Reference: Nil

SOM Lab Ref: 2501(Page-1/1)

Dated: 18-05-2020

Dated: 18-05-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(Ittefaq & Amreli 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.555	8	0.978	0.79	0.751	24.01	33.00	67020	70500	92120	96900	1.00	8.0	12.5	Amreli
2	2.583	8	0.983	0.79	0.759	23.21	30.91	64800	67450	86290	89810	1.60	8.0	20.0	Amreli
3	1.509	6	0.751	0.44	0.443	14.98	18.91	75110	74600	94780	94140	1.10	8.0	13.8	Amreli
4	1.498	6	0.748	0.44	0.440	14.75	18.55	73940	73940	92990	92990	1.20	8.0	15.0	Amreli
5	0.664	4	0.498	0.20	0.195	6.09	9.17	67110	68830	101170	103760	1.10	8.0	13.8	Ittefaq
6	0.672	4	0.501	0.20	0.197	6.03	8.99	66550	67560	99150	100660	1.10	8.0	13.8	Ittefaq
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>Only Nine Samples Received and Tested</b>
# 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](http://www.uet-civil.edu.pk)

Faisal Hameed

Resident Engineer, Metroplan-Asian JV, Site Office Talagang Road Mianwali

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: Metroplan Asian JV-Nexus-MMCH-RE-195

Dated: 15-05-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2503(Page-1/1)

Dated: 18-05-2020

ASTM-A-615

Deformed Bar (ALMOIZ 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.505	6	0.750	0.44	0.442	14.75	19.85	73940	73600	99480	99030	1.50	8.0	18.8	
2	1.512	6	0.752	0.44	0.444	14.90	19.75	74700	74030	98970	98080	1.50	8.0	18.8	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>Only Three Samples Received and Tested</b>

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)