

Maj Adnan khalid®

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

Dy Dir MTL, Infra Dew Works at Sector - R, Pkg - 1, DHA (Prism) Ph-IX - (M/S DHA - C Coy)

Client Reference: 408/241/E/Lab/6510R/113

SOM Lab Ref: 4771(Page-1/1)

Dated: 09-08-2021

Dated: 010-08-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Saeed Kasur 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	1.518	6	0.754	0.44	0.446	14.37	23.01	72050	71080	115320	113770	1.10	8.0	13.8	
2	1.531	6	0.757	0.44	0.450	14.68	23.55	73580	71940	118030	115410	1.20	8.0	15.0	
3	0.651	4	0.493	0.20	0.191	5.98	9.25	65990	69100	101960	106760	1.20	8.0	15.0	
4	0.652	4	0.494	0.20	0.192	5.76	9.04	63510	66160	99710	103860	1.30	8.0	16.3	
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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

Sajjad Ali Memon
Resident Engineer, Pillar & Sons, DHA Multan

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

Client Reference: P&S/OTH/GEN/00036

SOM Lab Ref: 4772(Page-1/1)

Dated: 07-08-2021

Dated: 10-08-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.550	8	0.977	0.79	0.749	23.55	32.67	65740	69340	91210	96200	1.40	8.0	17.5	
2	2.555	8	0.978	0.79	0.751	23.60	32.98	65880	69300	92060	96840	1.50	8.0	18.8	
3	1.487	6	0.746	0.44	0.437	13.43	18.35	67290	67760	91970	92600	1.50	8.0	18.8	
4	1.490	6	0.747	0.44	0.438	13.99	19.54	70100	70420	97950	98400	1.40	8.0	17.5	
5	0.699	4	0.511	0.20	0.205	6.39	8.72	70480	68760	96110	93770	1.50	8.0	18.8	
6	0.691	4	0.508	0.20	0.203	7.16	9.02	78910	77750	99480	98010	1.30	8.0	16.3	
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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

Muhammad Shabbir

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Construction Manager, Opal, Deedar Developers Pvt. Ltd. Lahore

Client Reference: ZD/ZO/L/031

SOM Lab Ref: 4773(Page-1/1)

Dated: 10-08-2021

Dated: 10-08-2021

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	2.683	8	1.002	0.79	0.788	25.99	37.18	72570	72750	103790	104050	1.20	8.0	15.0	
2	2.675	8	1.000	0.79	0.786	26.17	37.10	73050	73430	103590	104120	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

Sub Divisional Officer,
Sub Divisional Officer, Chakwal

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

Client Reference: 951/CKL

SOM Lab Ref: 4774(Page-1/1)

Dated: 15-07-2021

Dated: 10-08-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.588	8	0.984	0.79	0.761	26.71	32.21	74560	77400	89930	93360	1.50	8.0	18.8	
2	1.498	6	0.748	0.44	0.440	16.08	19.93	80580	80580	99890	99890	1.30	8.0	16.3	
3	0.592	4	0.471	0.20	0.174	6.54	7.80	72170	82950	85990	98840	1.00	8.0	12.5	
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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

Engr. Hassan Mahmood
Resident Engineer, AZ Engineering Associates

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

Client Reference: AZE/QABP/RE/59

SOM Lab Ref: 4775 (Page-1/1)

Dated: 07-08-2021

Dated: 10-08-2021

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	2.631	8	0.992	0.79	0.773	23.80	33.33	66450	67910	93060	95110	1.20	8.0	15.0	
2	2.672	8	1.000	0.79	0.785	24.11	33.35	67310	67730	93120	93710	1.30	8.0	16.3	
3	1.481	6	0.744	0.44	0.435	16.13	20.34	80830	81760	101940	103110	1.00	8.0	12.5	
4	1.501	6	0.749	0.44	0.441	16.21	20.36	81240	81060	102040	101810	1.00	8.0	12.5	
5	0.706	4	0.513	0.20	0.207	6.60	8.66	72730	70270	95550	92320	1.10	8.0	13.8	
6	0.706	4	0.513	0.20	0.207	7.56	9.17	83410	80590	101170	97750	1.10	8.0	13.8	
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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