

Syed Muhammad Usman Aslam

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

GM Civil and Structural Engineering Department, Engro Fertilizers, District Ghotki

Client Reference: Nil

Dated: 02-07-21

SOM Lab Ref: CED/SOM/4604 (Page-1/1)

Dated: 05-07-2021

Test: Tension Test Bend Test

Test Specification: ASTM-F-1554

Sample Type: Deformed Bar

Gauge Length: 200 mm

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	mm	%	
1	3.818	25	24.88	491	486	224.20	301.70	457	462	615	621	32.5	200	16.3	
2	2.400	20	19.73	314	306	152.70	197.20	486	500	628	646	30.0	200	15.0	
3	1.520	16	15.70	201	194	97.70	122.50	486	505	609	633	27.5	200	13.8	
4	0.987	12	12.65	113	126	56.00	82.00	495	446	725	653	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Maj Tanveer Ahmad (R)
Resident Engineer-2, ACES, Site Office Sector - V, Multan

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

Client Reference: ACES-DHAM/DEV/SEC-V/547

Dated: 26-06-2021

SOM Lab Ref: CED/SOM/4612 (Page-2/2)

Dated: 05-07-2021

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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	mm	%	
1	1.016	12	12.82	113	129	65.70	84.20	581	510	744	653	27.5	200	13.8	
2	1.005	12	12.77	113	128	68.00	86.70	601	532	767	678	27.5	200	13.8	
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BEND TEST:

12mm	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

M. Shahbaz Iqbal
 BPS (Pvt) Ltd. Alpha Homes (Apartments) Project

Test Performed By: Dr. /Engr. S. AsadAli Gillani

Client Reference: Nil
 Dated: 05-07-2021

SOM Lab
 Ref: 4603(Page-2/2)
 Dated: 05-07-2021

Test: Tension Test & Bend Test
 Gauge Length: 8 inch

Test Specification: ASTM-A-615
 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	1.468	6	0.741	0.44	0.431	13.25	21.00	66430	67810	105260	107450	1.30	8.0	16.3	
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BEND TEST:

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

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

M. Shahbaz Iqbal
 BPS (Pvt) Ltd. Alpha Homes (Apartments) Project

Test Performed By: Dr. /Engr. S. AsadAli Gillani

Client Reference: Nil

SOM Lab

Ref: 4603(Page-1/2)

Dated: 05-07-2021

Dated: 05-07-2021

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	2.499	8	0.967	0.79	0.734	21.51	29.79	60050	64630	83160	89500	1.30	8.0	16.3	
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BEND TEST:

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

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

Jamia Masjid Gulzair-e-Madina
Thatha Naik, Tehsil Phaluia, Distt. M. B. Din

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

Client Reference: nil

SOM Lab

Ref: 4605(Page-1/1)

Dated: 05-07-2021

Dated: 05-07-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Mughal Supreme)

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	2.714	8	1.008	0.79	0.798	34.07	40.77	95110	94150	113830	112690	1.10	8.0	13.8	
2	1.421	6	0.730	0.44	0.418	14.60	18.32	73170	77020	91820	96650	1.30	8.0	16.3	
3	0.683	4	0.506	0.20	0.201	6.34	8.38	69920	69570	92400	91940	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

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

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

Client Reference: P&S/OTH/GEN/00030
Dated: 30-06-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 4596(Page-1/1)
Dated: 02-07-2021
ASTM-A-615
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	2.680	8	1.002	0.79	0.788	29.43	37.02	82160	82370	103360	103620	1.30	8.0	16.3	
2	2.685	8	1.002	0.79	0.789	29.77	36.97	83100	83200	103220	103350	1.10	8.0	13.8	
3	1.497	6	0.748	0.44	0.440	14.93	19.75	74860	74860	98970	98970	1.10	8.0	13.8	
4	1.499	6	0.749	0.44	0.441	14.63	19.27	73320	73160	96570	96350	1.30	8.0	16.3	
5	0.646	4	0.492	0.20	0.190	6.24	9.53	68800	72420	105100	110630	1.10	8.0	13.8	
6	0.645	4	0.492	0.20	0.190	6.12	9.45	67450	71000	104200	109690	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

Muhammad Saleem

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

Project Director (North-3) PAEC - WASO(Const. of Multi Story Building for C-2 Warehouse at Chashma)

Client Reference: PD(CH)WASO/C-2/97/18/1227

SOM Lab Ref: 4606(Page-1/1)

Dated: 02-07-2021

Dated: 05-07-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(ISLAMABAD 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	0.597	4	0.472	0.20	0.175	5.71	7.65	62950	71940	84310	96350	1.10	8.0	13.8	
2	0.598	4	0.473	0.20	0.176	5.76	7.67	63510	72170	84530	96060	1.20	8.0	15.0	
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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