

Adnan Khalid

Test Performed By:

Dr. /Engr.

Wasim Abbas

Manager Procurement Petrocon Pvt Ltd. (MCH-01 Tank Project at Shell Pakistan Machike Depot)

Client Reference: 100/UET-P331/TEST

Dated: 24-10-2022

SOM Lab Ref: CED/SOM/1137(Page-1/1)

Dated: 25-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS Deformed Bar (Amreli Steel)

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	2.306	20	19.35	314	294	153.70	207.20	489	523	660	705	35.0	200	17.5	
2	1.585	16	16.04	201	202	109.70	136.70	546	544	680	677	32.5	200	16.3	
3	0.998	12	12.72	113	127	72.00	88.50	637	567	783	697	25.0	200	12.5	
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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

Rana Kashif Raza

Test Performed By:

Dr. /Engr.

Wasim Abbas

Dy director (Maint) NHA,Wazirabad.(Rehabilitation Of Damaged Rigid Pavement at KM 1416-1482)

Client Reference: Gen/DD(Maint)/WZD/NHA/2022/1355

Dated: 18-10-2022

SOM Lab Ref: CED/SOM/1142(Page-1/1)

Dated: 25-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS 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	0.974	12	12.57	113	124	46.20	62.00	408	373	548	500	35.0	200	17.5	
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BEND TEST:

12mm	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

Zahid Mughal
C/O M/S Amanah Noor Residence Wapda Town, Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 1136 (Page-1/1)

Dated: 25-10-2022

Dated: 25-10-2022

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	2.670	8	1.000	0.79	0.785	25.66	34.27	71630	72090	95680	96290	1.20	8.0	15.0	
2	1.487	6	0.746	0.44	0.437	13.32	18.65	66780	67240	93510	94150	1.30	8.0	16.3	
3	0.674	4	0.502	0.20	0.198	6.42	8.53	70820	71540	94090	95040	1.10	8.0	13.8	
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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

Qasim Ali
Senior Manager Project-Civil, Volka Food International.Ltd.Multan

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: VFI/Civil/16

SOM Lab

Ref: 1138 (Page-1/1)

Dated: 25-10-2022

Dated: 25-10-2022

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	1.501	6	0.749	0.44	0.441	14.32	20.08	71790	71630	100660	100430	1.20	8.0	15.0	
2	1.489	6	0.747	0.44	0.438	14.14	19.44	70870	71190	97440	97880	1.50	8.0	18.8	
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BEND TEST:

# 6	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

Ahmed Ejaz

Test Performed By: Dr. /Engr. Wasim Abbas

Quantity Surveyor Linker.(Const Of Hassan & Huma Residence,DHA Phase VIII,Sector-A,Lahore)

Client Reference: Nil

SOM Lab

Ref: 1139 (Page-1/1)

Dated: 25-10-2022

Dated: 25-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AFCO 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	2.615	8	0.989	0.79	0.768	27.37	34.73	76410	78600	96960	99730	1.20	8.0	15.0	
2	1.452	6	0.737	0.44	0.427	18.52	22.68	92840	95670	113690	117150	0.90	8.0	11.3	
3	0.671	4	0.501	0.20	0.197	6.39	8.46	70480	71560	93300	94720	1.10	8.0	13.8	
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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

Sohail Anjum

Test Performed By:

Dr. /Engr. Wasim Abbas

Project Manager MS Tower, G4, Lahore (Const of MS Tower At Plot 450,451 Johar Town Lahore)

Client Reference: MST/BCC/UET/2022/S-015

SOM Lab

Ref: 1140 (Page-1/1)

Dated: 25-10-2022

Dated: 25-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	0.669	4	0.501	0.20	0.197	6.65	8.58	73290	74410	94650	96090	1.20	8.0	15.0	
2	0.668	4	0.500	0.20	0.196	6.68	8.74	73630	75130	96340	98300	1.10	8.0	13.8	
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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

Muhammad Azmat ,RE

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

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

Client Reference: 4460/13/MA/04/58

SOM Lab

Ref: 1141 (Page-1/2)

Dated: 17-10-2022

Dated: 25-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Faizan 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	2.612	8	0.989	0.79	0.768	24.54	33.97	68500	70460	94820	97540	1.40	8.0	17.5	
2	2.630	8	0.992	0.79	0.773	22.50	32.52	62810	64190	90780	92780	1.40	8.0	17.5	
3	0.680	4	0.505	0.20	0.200	5.81	9.33	64080	64080	102860	102860	1.30	8.0	16.3	
4	0.687	4	0.507	0.20	0.202	7.04	8.74	77680	76910	96340	95380	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
# 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 Azmat ,RE

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

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

Client Reference: 4460/13/MA/04/62

SOM Lab

Ref: 1141 (Page-2/2)

Dated: 20-10-2022

Dated: 25-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Faizan 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	2.603	8	0.987	0.79	0.765	22.38	32.69	62470	64510	91270	94250	1.40	8.0	17.5	
2	2.628	8	0.991	0.79	0.772	24.46	34.17	68300	69890	95390	97620	1.30	8.0	16.3	
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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