

Test Performed by: Dr.S. Asad Ali Gillani

Ahmad Raza Gurmani
Sr. Manager QA/QC
Blue World City Islamabad

Client Reference No.:BWC/QC0049

Dated: 07-08-2024

SOM Lab Ref: CED/SOM/4598 (P-1/1)

Dated: 08-08-2024

Test Type: Flexural Strength & Crushing Strength Test Standard: **ASTM-C-875 - 98**

Sample Type: Asbestos Pipes (150mm)

Brand: WE-INFRA TECH

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	165	149.8	7.6	1372	5.84

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (cm)	Crushing Load (kN)
	Outer	Inner			
1	166	151.0	7.5	30.0	2.37

Arfan Nazir, Manager Civil

Test Performed By: Dr. /Engr. Nauman Khurram

Nishat Mills Ltd.Lhr. Nishat Group (Const Of Corduroy Building & Chemical Sedimentation Basin)

4599 (Page-1/1)

Client Reference: NDF/CB/002

SOM Lab Ref:

Dated: 07-08-2024

Dated:

08-08-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def Bar (Afaq 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.891	25	25.13	491	496	241.50	343.00	492	487	699	692	35.0	200	17.5	
2	3.898	25	25.14	491	496	231.50	333.50	471	467	679	672	32.5	200	16.3	
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BEND TEST:

25mm	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 Jan

Test Performed By: Dr. /Engr. Nauman Khurram

Snr Site Inspector Designmen Consulting Engineers (Pvt) Ltd.(AIOU Regional Office Sheikhpura)

Client Reference: P-348/2022/AIOU-SKP/LAB/21

SOM Lab

Ref: 4593 (Page-1/1)

Dated: 06-08-2024

Dated: 08-08-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittehad 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	1.493	6	0.748	0.44	0.439	14.83	18.65	74350	74510	93510	93720	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	6.09	9.28	67110	68480	102290	104380	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Assistant Director (Tech)

Test Performed By:

Dr. /Engr.

Nauman Khurram

Project Management Unit WASA Fsd.(Const B/Wall at Distribution Centers of Zone)

Client Reference: 268/DD(Tech)/EWR-II/2024

SOM Lab

Ref:

4594 (Page-1/1)

Dated: 26-07-2024

Dated:

08-08-2024

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	0.670	4	0.501	0.20	0.197	6.75	9.25	74420	75550	101960	103510	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Engr. M Usama, PE

Test Performed By: Dr. /Engr. Nauman Khurram

STRUC-ARCH Pakistan.(New 500KV Circuit Breaker Foundations at Roush Power Plant, Khanewal)

Client Reference: Rousch/24/MU/01

SOM Lab

Ref: 4595 (Page-1/1)

Dated: 06-08-2024

Dated: 08-08-2024

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	1.055	5	0.628	0.31	0.310	9.89	13.76	70350	70350	97910	97910	1.40	8.0	17.5	
2	1.044	5	0.625	0.31	0.307	9.91	13.66	70490	71180	97180	98130	1.20	8.0	15.0	
3	0.671	4	0.501	0.20	0.197	6.29	8.31	69360	70410	91610	93010	1.10	8.0	13.8	
4	0.670	4	0.501	0.20	0.197	7.03	8.97	77560	78750	98920	100430	1.00	8.0	12.5	
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BEND TEST:

# 5	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

IZHAR STEEL

Engineering Company.(LPG Storage & Bottling Facility Parco Pearl Gas)

Test Performed By:

Dr. /Engr.

Nauman Khurram

Client Reference: ISPL-112-LET-00038

Dated: 08-08-2024

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

4596 (Page-1/1)

Dated:

08-08-2024

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	0.657	4	0.496	0.20	0.193	6.14	8.12	67670	70130	89590	92840	1.20	8.0	15.0	
2	0.659	4	0.497	0.20	0.194	6.24	8.18	68800	70920	90150	92940	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

Muhammad Tayyab
A.M Hygiene Lab PROCON Engineering (Pvt) Ltd.(Master)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 4597 (Page-1/1)

Dated: 08-08-2024

Dated: 08-08-2024

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	1.491	6	0.747	0.44	0.438	16.69	20.46	83640	84030	102550	103020	1.20	8.0	15.0	H# 7824
2	1.492	6	0.747	0.44	0.438	15.97	20.00	80070	80430	100250	100710	1.30	8.0	16.3	H# 7824
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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

