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

ZES Zain Engineering Solutions Lahore.(Prpject: RAMADA)

Client Reference: Nil **SOM Lab Ref:** 441 (Page-1/1)

Dated: 24-12-2024 **Dated:** 24-12-2024

Test: Tension Test **Test Specification:** ASTM-F-1554

Guage Length: 200 mm **Sample Type:** Plain 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.802	16	17.11	201	230	116.70	187.00	581	508	930	814	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

ZES Zain Engineering Solutions Lahore.(Prpject: RAMADA)

Client Reference: Nil **SOM Lab Ref:** 442 (Page-1/1)

Dated: 24-12-2024 **Dated:** 24-12-2024

Test: Tension Test **Test Specification:** ASTM-F-1554

Guage Length: 200 mm **Sample Type:** Plain 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.859	16	17.37	201	237	93.70	143.70	466	396	715	607	40.0	200	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Arfan Nazir, Manager Civil
Nishat Mills Ltd.(Dyeing & Finishing Plant Lahore)

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

Client Reference: NDF/BGST/001
Dated: 16-12-2024

SOM Lab Ref: 444 (Page-1/1)
Dated: 24-12-2024

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: MS Def Bar (Batala Gold 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	3.816	25	24.88	491	486	238.70	336.20	486	492	685	692	35.0	200	17.5	
2	2.451	20	19.94	314	312	167.70	220.70	534	538	703	707	30.0	200	15.0	
3	1.558	16	15.90	201	199	100.50	141.20	500	507	702	712	27.5	200	13.8	
4	0.880	12	11.94	113	112	61.20	80.70	542	547	714	721	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
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:-

Only Eight Samples Received and Tested

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

Waqas Ahmed Ghumman,PM **Test Performed By:** **Dr. /Engr.** Nauman Khurram

High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/252 **Dated:** 24-12-2024

SOM Lab Ref: CED/SOM/436 (Page-1/1) **Dated:** 24-12-2024

Test: Tension Test & 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	3.895	25	25.13	491	496	247.50	333.70	504	499	680	673	30.0	200	15.0	
2	3.883	25	25.10	491	495	246.00	332.00	501	498	676	672	35.0	200	17.5	
3	0.883	12	11.97	113	112	55.70	72.50	492	496	641	645	35.0	200	17.5	
4	0.889	12	12.01	113	113	55.50	72.70	491	490	643	642	37.5	200	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Major Adnan Abbas **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

For Commandant Army Unmanned Aerial Vehicle Training School Mangla.(Office Block)

Client Reference: UAV/251/Gen/TS **SOM Lab Ref:** 435 (Page-1/1)

Dated: December 2024 **Dated:** 24-12-2024

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	1.503	6	0.750	0.44	0.442	13.76	22.12	68980	68670	110880	110380	1.30	8.0	16.3	
2	1.052	5	0.627	0.31	0.309	9.23	15.16	65630	65850	107840	108190	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

Manzoor Ahmad Joya, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK Lhr.(Estb of Labour Colony at Quaid-E-Azam Business Park M2-Motorway Distt Skp,Pkg-A)

Client Reference: 3844/311/RE/002 **SOM Lab Ref:** 437 (Page-1/1)

Dated: 18-12-2024 **Dated:** 24-12-2024

Test: Tension 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	1.417	6	0.728	0.44	0.416	15.01	20.36	75210	79550	102040	107920	1.40	8.0	17.5	
2	1.404	6	0.725	0.44	0.413	14.88	20.15	74600	79480	101020	107620	1.20	8.0	15.0	
3	1.411	6	0.727	0.44	0.415	14.68	20.08	73580	78010	100660	106720	1.10	8.0	13.8	
4	1.409	6	0.726	0.44	0.414	14.78	20.13	74090	78740	100910	107250	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Manzoor Ahmad Joya, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK Lhr.(Estb of Labour Colony at Quaid-E-Azam Business Park M2-Motorway Distt Skp,Pkg-B)

Client Reference: 3844/311/RE/003 **SOM Lab Ref:** 438 (Page-1/1)

Dated: 19-12-2024 **Dated:** 24-12-2024

Test: Tension 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	1.420	6	0.729	0.44	0.417	15.01	19.69	75210	79360	98720	104160	1.30	8.0	16.3	
2	1.411	6	0.727	0.44	0.415	14.50	19.69	72660	77040	98720	104660	1.40	8.0	17.5	
3	1.399	6	0.723	0.44	0.411	14.50	19.69	72660	77790	98720	105680	1.30	8.0	16.3	
4	1.415	6	0.728	0.44	0.416	14.61	19.69	73220	77450	98720	104410	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Zahir Ullah, Sub Engr. **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

SUPARCO,Pakistan Space & Upper Atmosphere Res/Com,Lhr.(Vehicle RCC P/Sheds at SRDC-L)

Client Reference: 63301(4102) Works/Div/SRDC-L **SOM Lab Ref:** 439 (Page-1/1)

Dated: 20-12-2024 **Dated:** 24-12-2024

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	1.471	6	0.742	0.44	0.432	14.85	19.57	74450	75830	98100	99920	1.30	8.0	16.3	
2	1.404	6	0.725	0.44	0.413	14.90	19.52	74700	79590	97850	104240	1.20	8.0	15.0	
3	0.643	4	0.491	0.20	0.189	6.37	8.58	70260	74350	94650	100160	1.00	8.0	12.5	
4	0.652	4	0.494	0.20	0.192	6.42	8.56	70820	73770	94420	98360	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Fraz Khalid Syed **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Asstt Director-II (QCD) WASA,LDA,Lhr.(Hammad Pipe Factory)

Client Reference: QCD/2477 **SOM Lab Ref:** 440 (Page-1/1)

Dated: 20-12-2024 **Dated:** 24-12-2024

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	0.668	4	0.500	0.20	0.196	6.49	8.36	71610	73070	92180	94060	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 4	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

Muhammad Imran
Snr PM IDAP Lahore.

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: SPM(NETZERO)/IDAP/2024/2147
Dated: 20-12-2024

SOM Lab Ref: 443(Page-1/1)
Dated: 24-12-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Karachi 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	0.692	4	0.508	0.20	0.203	5.96	8.87	65760	64790	97800	96350	1.30	8.0	16.3	
2	0.671	4	0.501	0.20	0.197	5.83	8.51	64300	65280	93860	95290	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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