

Engr. Zaheer Ud Din Babar

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

Dy. General Manager (Works).HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

Client Reference: HRLE/SKG/2023/126/627

SOM Lab Ref:

2268 (Page-1/1)

Dated: 29-05-2023

Dated:

29-05-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 m

Sample Type:

MS 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	4.80 2	28	27.9 2	616	612	272.0 0	446.00	442	445	724	729	35.0	200	17.5	
2	4.84 1	28	28.0 2	616	617	274.0 0	446.20	445	445	724	724	30.0	200	15.0	
3	4.88 1	28	28.1 4	616	622	323.0 0	496.70	524	520	806	799	27.5	200	13.8	
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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

Adnan Khalid,MP

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

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

Client Reference: 100/UET-P331/TEST

Dated : 23-05-2023

SOM Lab Ref: CED/SOM/2263(Page-1/1)

Dated : 29-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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	m	%	
1	1.588	16	16.04	201	202	113.20	138.20	563	561	687	685	27.5	200	13.8	
2	0.880	12	11.95	113	112	64.50	79.00	570	576	699	705	27.5	200	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Muhammad Shoab

Test Performed By: Dr. /Engr. Waseem Abbas

Project Incharge Thaheem Construction.(Vet Line Pharma Sundur Industrial Estate)

Client Reference: Nil

SOM Lab

Ref: 2264 (Page-1/1)

Dated: 26-05-2023

Dated: 29-05-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-A-615
Deformed

Gauge Length: 8 h

Sample Type: 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	2.596	8	0.986	0.79	0.763	25.86	33.71	72200	74750	94110	97440	1.40	8.0	17.5	
2	2.607	8	0.988	0.79	0.766	25.86	33.49	72200	74460	93490	96410	1.30	8.0	16.3	
3	1.621	6	0.778	0.44	0.476	15.39	20.46	77160	71320	102550	94790	1.20	8.0	15.0	
4	1.630	6	0.781	0.44	0.479	15.34	20.46	76900	70640	102550	94200	1.30	8.0	16.3	
5	0.591	4	0.471	0.20	0.174	5.76	7.54	63510	73000	83180	95610	1.20	8.0	15.0	
6	0.594	4	0.472	0.20	0.175	5.81	7.56	64080	73230	83410	95320	1.20	8.0	15.0	
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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

Abdul Waheed Anwar
Sr.A/C & Admin Manager QUBE a Project Of P&D Pvt Ltd.Faisalabad.

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

Client Reference: Nil

Dated: 29-05-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2265 (Page-1/1)

Dated: 29-05-2023

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	2.658	8	0.997	0.79	0.781	23.98	36.11	66940	67710	100800	101960	1.10	8.0	13.8	
2	2.629	8	0.992	0.79	0.773	23.85	35.90	66590	68060	100230	102430	1.20	8.0	15.0	
3	1.493	6	0.748	0.44	0.439	13.68	20.10	68570	68730	100760	100990	1.20	8.0	15.0	
4	1.472	6	0.743	0.44	0.433	13.97	20.08	70000	71130	100660	102290	1.30	8.0	16.3	
5	0.648	4	0.492	0.20	0.190	6.22	8.18	68570	72180	90150	94900	1.00	8.0	12.5	
6	0.674	4	0.502	0.20	0.198	6.73	9.35	74190	74940	103080	104120	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

Muhammad Ali
 MAQ Construction Lahore.(O.H.W Tank Luxorion Garden Muridkey)

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

Client Reference: Nil

Dated: 29-05-2023

Test: Tension Test & Bend Test
 inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2266 (Page-1/1)

Dated: 29-05-2023

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	1.490	6	0.747	0.44	0.438	14.50	19.83	72660	72990	99380	99830	1.20	8.0	15.0	
2	1.468	6	0.741	0.44	0.431	14.29	19.67	71640	73130	98610	100670	1.00	8.0	12.5	
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Witnessed By: Saqlain Raza Burkhari

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

Maqsood Anwar
SSO For Commader MES (Army) Lahore.

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

Client Reference: 3004-Board/05/E-3

SOM Lab

Ref: 2267 (Page-1/1)

Dated: 29-05-2023

Dated: 29-05-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.651	8	0.996	0.79	0.779	22.43	34.30	62610	63490	95760	97110	1.40	8.00	17.5	
2	2.645	8	0.995	0.79	0.777	22.28	33.84	62210	63250	94480	96060	1.40	8.00	17.5	
3	0.818	5	0.553	0.31	0.240	6.73	8.99	47870	61830	63970	82620	0.90	8.00	11.3	
4	0.837	5	0.560	0.31	0.246	7.19	11.03	51130	64430	78470	98880	0.90	8.00	11.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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

Bilal Suhail Memon

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

Flight Lieutenant Asstt Dir Fazaia Housing Scheme Lahore.(Commercial Area Falcon Down Town)

Client Reference: FHSL/5711/1/Org

SOM Lab

Ref: 2269 (Page-1/1)

Dated: 22-05-2023

Dated: 29-05-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (FF
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	2.756	8	1.016	0.79	0.810	30.73	37.00	85800	83680	103300	100750	1.40	8.0	17.5	
2	1.676	6	0.792	0.44	0.493	16.77	21.07	84050	75020	105610	94260	1.30	8.0	16.3	
3	0.681	4	0.505	0.20	0.200	7.34	8.58	80940	80940	94650	94650	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

Muhammad Waqas
 Manager Civil Shangrila Foods (Pvt) Ltd.Karachi

Test Performed By: Dr./Engr. Waseem Abbas

Client Reference: Nil

SOM Lab

Ref: 2270 (Page-1/1)

Dated: 29-05-2023

Dated: 29-05-2023

Test: Tension Test & Bend Test
 inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.745	8	1.014	0.79	0.807	29.58	38.09	82590	80850	106350	104110	1.20	8.00	15.00	
2	2.652	8	0.996	0.79	0.779	26.78	35.42	74760	75820	98890	100290	1.40	8.00	17.05	
3	1.494	6	0.748	0.44	0.439	13.93	18.88	69850	70010	94630	94840	1.50	8.00	18.08	
4	1.476	6	0.743	0.44	0.434	14.22	18.86	71280	72270	94530	95830	1.30	8.00	16.03	
5	0.648	4	0.492	0.20	0.190	6.19	8.26	68230	71830	91050	95840	1.30	8.00	16.03	
6	0.677	4	0.503	0.20	0.199	5.98	7.97	65990	66320	87910	88350	1.20	8.00	15.00	
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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

Hassan Associates
Engineers & Contractors Lahore.(Nishat Chunian Ltd Raiwind)

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

Client Reference: H.S/E.T.P-3/N.C.L/05/2023

Dated: 29-05-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2271(Page-1/1)

Dated: 29-05-2023

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	2.667	8	0.999	0.794	0.784	24.54	34.20	68500	69020	95480	96210	1.40	8.00	17.5	
2	2.681	8	1.002	0.794	0.788	24.54	34.17	68500	68670	95390	95630	1.50	8.00	18.8	
3	1.491	6	0.747	0.444	0.438	12.97	18.78	65000	65290	94120	94550	1.50	8.00	18.8	
4	1.495	6	0.748	0.444	0.439	12.92	18.86	64740	64890	94530	94740	1.60	8.00	20.0	
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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	

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