

Rehan Khan
Regional Manager, Vital International, Lahore (Samsung)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/5211 (Page-1/1)

Dated: 27-10-2021

Dated: 27-10-2021

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: Anchor Bolts

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	4.000	24	25.48	380	510	163.50	258.70	430	321	681	508	47.5	200	23.8	
2	2.361	20	19.57	314	301	118.50	118.50	377	394	377	394	45.0	200	22.5	
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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

Abdul Rehman
Assistant Manager Civil, Sitara Chemical Industries Ltd., Faisalabad

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/5212(Page-1/2)

Dated: 26-10-2021
Dated: 27-10-2021

Test: Tension Test & Bend Test
Sample Type: Deformed Bar (SJ Re-Rolling Steel)

Test Specification: ASTM-A 615
Gauge Length: 200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation
		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	4.141	25	25.93	491	528	248.50	337.20	506	471	687	639	40.0	200	20.0
2	4.030	25	25.57	491	513	261.70	343.70	533	510	700	670	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

Abdul Rehman
Assistant Manager Civil, Sitara Chemical Industries Ltd., Faisalabad

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/5212(Page-2/2)

Dated: 26-10-2021
Dated: 27-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Kamran 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	0.877	12	11.94	113	112	53.00	74.70	469	474	660	667	30.0	200	15.0	.
2	0.921	12	12.23	113	117	51.20	71.50	453	437	632	610	35.0	200	17.5	
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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

DGM Civil (Line-IV)

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

MLCF Iskandarabad, Distt. Mianwali, Maple Leaf Cement Factory Limited

Client Reference: MLCFL/LINE-IV/CIVIL/2021/06

Dated: 16-10-2021

SOM Lab Ref: CED/SOM/5213(Page-1/2)

Dated: 27-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Mughal & Ittefaq 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	1.596	16	16.08	201	203	101.70	134.20	506	501	667	662	30.0	200	15.0	Ittefaq
2	1.606	16	16.14	201	205	126.00	152.50	627	616	758	746	32.5	200	16.3	Ittefaq
3	1.599	16	16.11	201	204	132.70	157.20	660	652	782	772	25.0	200	12.5	Ittefaq
4	1.565	16	15.93	201	199	105.70	136.70	526	531	680	686	30.0	200	15.0	Ittefaq
5	2.431	20	19.86	314	310	163.70	215.50	521	529	686	696	32.5	200	16.3	Mughal
6	2.459	20	19.97	314	313	164.70	216.50	524	526	689	692	25.0	200	12.5	Mughal
7	2.410	20	19.77	314	307	163.20	213.00	519	532	678	694	32.5	200	16.3	Mughal
8	2.515	20	20.20	314	320	174.70	226.20	556	546	720	707	32.5	200	16.3	Mughal
9	2.384	20	19.67	314	304	167.00	216.20	532	550	688	712	25.0	200	12.5	Mughal
10	2.466	20	20.00	314	314	161.50	212.20	514	515	675	676	30.0	200	15.0	Mughal

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

DGM Civil (Line-IV)

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

MLCF Iskandarabad, Distt. Mianwali, Maple Leaf Cement Factory Limited

Client Reference: MLCFL/LINE-IV/CIVIL/2021/06

Dated: 16-10-2021

SOM Lab Ref: CED/SOM/5213(Page-2/2)

Dated: 27-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Mughal 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	2.535	20	20.28	314	323	166.50	220.20	530	516	701	682	35.0	200	17.5	
2	2.403	20	19.74	314	306	166.20	216.20	529	543	688	707	27.5	200	13.8	
3	2.387	20	19.68	314	304	167.00	217.50	532	550	692	716	32.5	200	16.3	
4	2.527	20	20.25	314	322	170.20	223.70	542	529	712	695	35.0	200	17.5	
5	2.421	20	19.82	314	308	161.20	212.20	513	523	675	689	32.5	200	16.3	
6	2.393	20	19.70	314	305	165.00	220.20	525	542	701	723	25.0	200	12.5	
7	2.653	20	20.74	314	338	171.70	224.00	547	509	713	663	27.5	200	13.8	
8	2.391	20	19.69	314	305	168.00	217.50	535	552	692	715	32.5	200	16.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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 Usama
Resident Engineer, Nespak Pvt. Ltd. Islamabad

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

Client Reference: 4026/325/MU/Misc/13

SOM Lab 5205(Page-

Ref: 1/1)

Dated: 24-10-2021

Dated: 27-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (M/s Moiz

Guage Length: 8 inch

Sample Type:

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	1.506	6	0.751	0.44	0.443	13.10	19.16	65660	65210	96060	95410	1.40	8.0	17.5	
2	1.510	6	0.752	0.44	0.444	13.15	19.27	65910	65320	96570	95700	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

Nadeem Mushtaq
Senior Civil Engineer, National Management Foundation, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: NMF/GM/F-61

Dated: 27-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5206(Page-1/1)

Dated: 27-10-2021

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	1.482	6	0.745	0.44	0.436	15.90	20.10	79710	80440	100760	101680	1.20	8.0	15.0	
2	1.528	6	0.756	0.44	0.449	16.31	20.82	81750	80120	104340	102250	1.40	8.0	17.5	
3	0.662	4	0.498	0.20	0.195	7.10	8.94	78350	80360	98580	101110	1.10	8.0	13.8	
4	0.671	4	0.501	0.20	0.197	7.54	9.23	83180	84450	101730	103280	1.10	8.0	13.8	
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BEND TEST:

# 6	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

Sub Divisional Officer
Buildings Sub Division, Bhakkar

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 1049

Dated: 11-09-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5207(Page-1/1)

Dated: 27-10-2021

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	2.638	8	0.993	0.79	0.775	20.25	30.68	56550	57640	85660	87320	1.80	8.0	22.5	
2	2.687	8	1.003	0.79	0.790	20.05	30.48	55980	55980	85090	85090	1.80	8.0	22.5	
3	1.530	6	0.757	0.44	0.450	11.39	16.82	57080	55810	84310	82430	1.30	8.0	16.3	
4	1.527	6	0.756	0.44	0.449	14.34	22.12	71890	70450	110880	108650	1.00	8.0	12.5	
5	0.662	4	0.498	0.20	0.195	5.07	7.29	55870	57300	80370	82430	1.00	8.0	12.5	
6	0.657	4	0.496	0.20	0.193	5.05	7.34	55650	57660	80940	83870	1.10	8.0	13.8	
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BEND TEST:

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

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

Brig. Saeed Ahmed Malik SI (M),
(R)

Resident Engineer, H&TE Div., NESPAK (Pvt) Ltd. Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 4048/BSAM/104/526

Dated: 12-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

5208(Page-1/1)

Dated:

27-10-2021

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	1.533	6	0.758	0.44	0.451	13.00	20.64	65150	63560	103470	100940	1.20	8.0	15.0	
2	1.545	6	0.760	0.44	0.454	12.86	20.54	64480	62500	102960	99780	1.20	8.0	15.0	
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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

Riaz Ahmed
Riaz Construction Company, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 5209(Page-1/1)

Dated: 27-10-2021

Dated: 27-10-2021

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	2.627	8	0.991	0.79	0.772	23.82	33.05	66510	68060	92260	94410	1.50	8.0	18.8	
2	1.559	6	0.764	0.44	0.458	15.51	22.58	77770	74710	113180	108730	1.10	8.0	13.8	
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BEND TEST:

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

Qasim Ali
Senior Manager Projects-Civil, Volka Food International Limited, Multan

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: VFI/Civil/10

Dated: 21-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5210(Page-1/1)

Dated: 27-10-2021

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	2.632	8	0.992	0.79	0.773	26.32	35.93	73480	75100	100320	102520	1.40	8.0	17.5	
2	2.614	8	0.989	0.79	0.768	25.35	33.46	70780	72800	93400	96080	1.50	8.0	18.8	
3	1.472	6	0.743	0.44	0.433	13.99	18.88	70100	71240	94630	96160	1.30	8.0	16.3	
4	1.489	6	0.747	0.44	0.438	14.50	20.10	72660	72990	100760	101220	1.40	8.0	17.5	
5	0.596	4	0.472	0.20	0.175	6.27	8.26	69130	79010	91050	104060	0.90	8.0	11.3	
6	0.597	4	0.472	0.20	0.175	6.14	8.12	67670	77340	89590	102390	1.10	8.0	13.8	
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BEND TEST:

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

Assistant Director-I

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Building Research Station, Communication & Works Department, Govt. of The Punjab

Client Reference: 154-R/3239

SOM Lab

Ref: 5214(Page-1/2)

Dated: 26-10-2021

Dated: 27-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Koh-e-Noor 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	2.663	8	0.998	0.79	0.783	20.08	30.89	56060	56570	86230	87000	1.30	8.0	16.3	
2	1.567	6	0.766	0.44	0.461	11.49	17.25	57590	54960	86450	82520	1.20	8.0	15.0	
3	0.605	4	0.476	0.20	0.178	4.69	6.09	51710	58100	67110	75400	1.50	8.0	18.8	
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BEND TEST:

-- No Bend test performed

Note:-Only Three Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Assistant Director-I

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Building Research Station, Communication & Works Department, Govt. of The Punjab

Client Reference: 154-R/3238

SOM Lab

Ref: 5214(Page-2/2)

Dated: 26-10-2021

Dated: 27-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Koh-e-Noor 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	2.443	8	0.956	0.79	0.718	20.59	32.39	57490	63250	90410	99480	1.40	8.0	17.5	
2	1.502	6	0.749	0.44	0.441	13.20	20.08	66170	66020	100660	100430	1.40	8.0	17.5	
3	0.678	4	0.503	0.20	0.199	5.76	8.77	63510	63830	96670	97160	1.10	8.0	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