

Ahmed Hafeez

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

GM Procurement DCCL, Dandot Cement Company Ltd.Lahore.(BMR Of Dandot Cement plant)

Client Reference: Nil

Dated: 26-08-2022

SOM Lab Ref: CED/SOM/814(Page-1/1)

Dated: 26-08-2022

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	3.848	25	24.98	491	490	229.00	346.50	467	468	706	708	30.0	200	15.0	
2	3.855	25	25.01	491	491	227.00	346.00	462	463	705	705	35.0	200	17.5	
3	2.414	20	19.79	314	308	153.20	210.70	488	499	671	686	30.0	200	15.0	
4	2.416	20	19.80	314	308	155.00	214.50	493	504	683	697	30.0	200	15.0	
5	1.541	16	15.81	201	196	88.50	131.50	440	451	654	671	27.5	200	13.8	
6	1.545	16	15.83	201	197	91.50	133.50	455	466	664	679	32.5	200	16.3	
7	0.969	12	12.54	113	123	62.50	79.50	553	507	703	645	25.0	200	12.5	
8	0.958	12	12.46	113	122	64.20	81.20	568	527	718	666	25.0	200	12.5	
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BEND TEST:

25mm	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	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Haider Irfan

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Project Manager Roots International Schools.(1 Peninsula Tower Gulberg Green Islamabad)

Client Reference: RIS/ST/ISB01-08262022

SOM Lab

Ref: 808,806(Page-1/1)

Dated: 26-08-2022

Dated: 26-08-2022

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	2.690	8	1.004	0.79	0.791	25.96	32.42	72480	72390	90500	90380	1.40	8.0	17.5	
2	2.671	8	1.000	0.79	0.785	26.12	32.54	72910	73380	90840	91420	1.40	8.0	17.5	
3	1.535	6	0.758	0.44	0.451	14.80	21.17	74190	72380	106130	103540	1.20	8.0	15.0	
4	1.535	6	0.758	0.44	0.451	15.44	21.27	77410	75520	106640	104040	1.20	8.0	15.0	
5	1.067	5	0.632	0.31	0.314	12.64	15.49	89930	88780	110230	108830	0.90	8.0	11.3	
6	1.070	5	0.632	0.31	0.314	12.23	15.39	87030	85920	109510	108110	1.00	8.0	12.5	
7	0.674	4	0.502	0.20	0.198	7.87	9.99	86780	87660	110160	111270	0.90	8.0	11.3	
8	0.675	4	0.502	0.20	0.198	7.82	9.91	86220	87090	109260	110370	1.00	8.0	12.5	
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BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

6 Sample bend through 180 degrees Satisfactorily without any crack

5 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Banu Mukhtar Contracting

Test Performed By:

Dr. /Engr. Irfan UI Hassan

QA/QC Engineer,Lahore.(Const Of New Canteen Building (US Apparel Unit No 5))

Client Reference: Nil

SOM Lab

Ref: 807 (Page-1/1)

Dated: 26-08-2022

Dated: 26-08-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Agha Arcon)

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	1.670	6	0.791	0.44	0.491	16.16	21.36	80990	72580	107040	95930	1.40	8.0	17.5	
2	1.670	6	0.791	0.44	0.491	16.11	21.27	80730	72350	106640	95560	1.30	8.0	16.3	
3	0.601	4	0.475	0.20	0.177	6.78	8.26	74750	84470	91050	102880	1.10	8.0	13.8	
4	0.599	4	0.473	0.20	0.176	6.80	8.07	74980	85200	89030	101170	1.00	8.0	12.5	
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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

Zohaib Ashfaq (PM)

Test Performed By: Dr. /Engr. Irfan UI Hasan

Autograph,Lhr.(Const.Of Autograph Apartments project At Maple Drive Along Ringroad Serviceline)

Client Reference: AG/PM/ZA/02

SOM Lab

Ref: 809 (Page-1/1)

Dated: 26-08-2022

Dated: 26-08-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Kamran 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	2.644	8	0.995	0.79	0.777	24.77	34.51	69160	70310	96330	97940	1.10	8.0	13.8	
2	2.625	8	0.991	0.79	0.771	24.43	34.22	68220	69900	95530	97890	1.30	8.0	16.3	
3	1.034	5	0.622	0.31	0.304	9.53	12.28	67810	69150	87390	89120	1.40	8.0	17.5	
4	1.038	5	0.623	0.31	0.305	9.35	12.20	66500	67600	86810	88230	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
# 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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0217
Dated: 23-08-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 810 (Page-1/5)
Dated: 26-08-2022
Test Specification: ASTM-A-615
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	0.646	4	0.492	0.20	0.190	6.37	8.74	70260	73960	96340	101410	0.90	8.0	11.3	
2	0.657	4	0.496	0.20	0.193	7.00	9.14	77230	80030	100830	104490	1.00	8.0	12.5	
3	0.646	4	0.492	0.20	0.190	6.52	8.79	71940	75730	96900	102000	1.10	8.0	13.8	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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 Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0215
Dated: 23-08-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 810 (Page-2/5)
Dated: 26-08-2022
Test Specification: ASTM-A-615
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	0.642	4	0.491	0.20	0.189	6.44	8.74	71040	75180	96340	101940	1.00	8.0	12.5	
2	0.665	4	0.498	0.20	0.195	7.41	9.38	81720	83820	103420	106070	1.00	8.0	12.5	
3	0.664	4	0.498	0.20	0.195	7.39	9.33	81500	83590	102860	105490	0.90	8.0	11.3	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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 Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0214
Dated: 23-08-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 810 (Page-3/5)
Dated: 26-08-2022
Test Specification: ASTM-A-615
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	1.543	6	0.759	0.44	0.453	13.88	19.69	69590	67600	98720	95880	1.30	8.0	16.3	
2	1.527	6	0.756	0.44	0.449	13.88	19.75	69590	68200	98970	96990	1.40	8.0	17.5	
3	1.537	6	0.759	0.44	0.452	13.97	20.00	70000	68140	100250	97590	1.50	8.0	18.8	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0216
Dated: 23-08-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 810 (Page-4/5)
Dated: 26-08-2022
Test Specification: ASTM-A-615
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	2.580	8	0.982	0.79	0.758	24.79	38.18	69210	72130	106580	111070	1.30	8.0	16.3	
2	2.588	8	0.984	0.79	0.761	24.70	38.04	68960	71580	106210	110250	1.30	8.0	16.3	
3	2.585	8	0.984	0.79	0.760	24.77	37.87	69160	71880	105720	109900	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five Samples Received and Tested
# 8	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 Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0213
Dated: 23-08-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 810 (Page-5/5)
Dated: 26-08-2022
Test Specification: ASTM-A-615
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	2.599	8	0.986	0.79	0.764	23.87	34.78	66650	68920	97100	100400	1.20	8.0	15.0	
2	2.609	8	0.988	0.79	0.767	23.80	34.68	66450	68440	96820	99720	1.30	8.0	16.3	
3	2.613	8	0.989	0.79	0.768	24.43	35.75	68220	70170	99800	102660	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

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

Anas Majeed
Sialkot

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 811 (Page-1/1)

Dated: 26-08-2022

Dated: 26-08-2022

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	2.566	8	0.980	0.79	0.754	23.47	34.25	65510	68640	95620	100190	1.20	8.0	15.0	
2	1.486	6	0.746	0.44	0.437	13.10	21.07	65660	66110	105610	106340	1.30	8.0	16.3	
3	0.675	4	0.502	0.20	0.198	6.19	10.06	68230	68920	110950	112070	1.00	8.0	12.5	
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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

Asim Chiragh,RE

Test Performed By: Dr. /Engr. Nauman Khurram

Nespak,Lhr.(Const/Improvement Of Metailed Rd From Mangtanwala Rd To Kot Dewan sing L10.6Km)

Client Reference: 3811/103/RAP-11/AC/64

SOM Lab

Ref: 812 (Page-1/1)

Dated: 01-08-2022

Dated: 26-08-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

MS 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	2.621	8	0.990	0.79	0.770	22.04	35.73	61530	63130	99750	102340	1.40	8.0	17.5	
2	2.612	8	0.989	0.79	0.768	21.92	35.58	61190	62940	99320	102160	1.50	8.0	18.8	
3	1.552	6	0.762	0.44	0.456	15.65	19.34	78430	75680	96930	93530	1.10	8.0	13.8	
4	1.573	6	0.767	0.44	0.462	15.36	19.29	77000	73340	96670	92070	1.50	8.0	18.8	
5	0.679	4	0.505	0.20	0.200	5.63	8.31	62050	62050	91610	91610	1.30	8.0	16.3	
6	0.675	4	0.502	0.20	0.198	5.56	8.28	61270	61880	91280	92200	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Nadeem Akhtar

Test Performed By: Dr. /Engr. Irfan UI Hassan

Site Supervisor, H&H Construction Lahore. (House Const Of Plot # 113 Sec-C, DHA Ph-8 Lahore)

Client Reference: Nil

SOM Lab

Ref: 813 (Page-1/1)

Dated: 26-08-2022

Dated: 26-08-2022

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	2.659	8	0.997	0.79	0.781	25.59	34.91	71430	72250	97470	98590	1.40	8.0	17.5	
2	1.507	6	0.751	0.44	0.443	12.54	17.79	62850	62420	89160	88560	1.10	8.0	13.8	
3	0.661	4	0.497	0.20	0.194	5.86	7.85	64640	66640	86560	89230	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

