

Arfan Nazir, Manager Civil

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

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

4617 (Page-1/1)

Client Reference: NDF/CB/003

SOM Lab Ref:

Dated: 12-08-2024

Dated:

12-08-2024

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	2.238	20	19.05	314	285	149.00	191.50	475	523	610	672	32.5	200	16.3	
2	2.235	20	19.04	314	285	149.50	191.00	476	526	608	671	30.0	200	15.0	
3	1.578	16	16.00	201	201	112.50	141.70	560	560	705	705	27.5	200	13.8	
4	1.578	16	16.00	201	201	112.50	141.70	560	560	705	705	30.0	200	15.0	
5	0.914	12	12.18	113	116	71.50	87.00	633	615	770	748	25.0	200	12.5	
6	0.917	12	12.20	113	117	70.50	87.50	624	604	774	749	25.0	200	12.5	
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BEND TEST:

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

Sohail Ahmad
Principal Engr. Building Standards Limited.(Gadaffi Cricket Stadium Lahore)

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

Client Reference: GT/LTR/240812-033

Dated: 12-08-2024

SOM Lab Ref: CED/SOM/4618 (Page-1/2)

Dated: 12-08-2024

Test: Tension Test

Test Specification: ASTM-A 615

Sample Type: Plain 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	3.107	22.5	22.45	398	396	112.50	180.50	283	285	454	456	55.0	200	27.5	
2	1.528	16	15.75	201	195	63.70	94.20	317	328	469	484	40.0	200	20.0	
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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

Sohail Ahmad
Principal Engr. Building Standards Limited.(Gadaffi Cricket Stadium Lahore)

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

Client Reference: GT/LTR/240812-032

Dated: 12-08-2024

SOM Lab Ref: CED/SOM/4618 (Page-2/2)

Dated: 12-08-2024

Test: Tension Test

Test Specification: ASTM-A 615

Sample Type: Plain 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	0.985	12	12.67	113	126	39.50	54.00	349	314	477	429	45.0	200	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Zain Engineering Solutions
ZES Lahore.(Military Engineer Services)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/4611(Page-1/1)

Dated: 12-08-2024
Dated: 12-08-2024

Test: Tension Test & Bend Test
Sample Type: Anchor Bolt (Plain Bar)

Test Specification: ASTM-F 1554
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	2.597	20	20.53	314	331	115.00	172.50	366	348	549	522	45.0	200	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Prime Steel Re-Rolling Mills
Sheikhupura.

Test Performed By: Dr. /Engr. Asad Gillani

Client Reference: Nil

SOM Lab

Ref: 4609 (Page-1/1)

Dated: 12-08-2024

Dated: 12-08-2024

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	0.668	4	0.500	0.20	0.196	5.86	8.72	64640	65960	96110	98070	1.00	8.0	12.5	
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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

Site Engineer

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Capital Ata Tower Lahore.(Project: Capital Ata Tower,Ferozpur Ichra,Lahore)

Client Reference: Nil

SOM Lab

Ref:

4610 (Page-1/1)

Dated: 12-08-2024

Dated:

12-08-2024

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	1.603	6	0.774	0.44	0.471	13.66	18.88	68470	63960	94630	88400	1.50	8.0	18.8	
2	1.604	6	0.774	0.44	0.471	13.71	19.06	68730	64200	95550	89260	1.40	8.0	17.5	
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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

Zulfiqar H Butt

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

CEO AL-Tawakkal Construction Company.(Extension Of Magic River F/S PSO Lahore Div)

Client Reference: TCC/24/51

SOM Lab

Ref: 4612 (Page-1/1)

Dated: 12-08-2024

Dated: 12-08-2024

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	0.661	4	0.497	0.20	0.194	6.44	8.02	71040	73240	88470	91200	1.10	8.0	13.8	
2	0.664	4	0.498	0.20	0.195	6.63	8.18	73070	74940	90150	92460	1.20	8.0	15.0	
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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 Aman Ullah,RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Nespak Lhr.(Const Of Missing Links of Hunza Rd & Khunjerab Rd in Block-C Jinnah Sec,LDA City)

Client Reference: 4047/13/MA/04/308

SOM Lab

Ref: 4613 (Page-2/2)

Dated: 15-07-2024

Dated: 12-08-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Aziz 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	1.497	6	0.748	0.44	0.440	12.92	20.85	64740	64740	104490	104490	1.40	8.0	17.5	
2	1.493	6	0.748	0.44	0.439	12.81	20.87	64230	64380	104590	104830	1.40	8.0	17.5	
3	1.040	5	0.624	0.31	0.306	8.73	13.86	62080	62890	98630	99920	1.40	8.0	17.5	
4	1.037	5	0.623	0.31	0.305	8.51	13.71	60560	61550	97540	99140	1.10	8.0	13.8	
5	0.666	4	0.500	0.20	0.196	5.61	8.56	61830	63090	94420	96350	1.20	8.0	15.0	
6	0.669	4	0.501	0.20	0.197	6.70	8.21	73850	74980	90490	91870	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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 Aman Ullah,RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Nespak Lhr.(Const Of Missing Links of Hunza Rd & Khunjerab Rd in Block-C Jinnah Sec,LDA City)

Client Reference: 4047/13/MA/04/350

SOM Lab

Ref: 4613 (Page-1/2)

Dated: 12-08-2024

Dated: 12-08-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Markhor 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	1.498	6	0.748	0.44	0.440	13.68	19.03	68570	68570	95400	95400	1.20	8.0	15.0	
2	1.493	6	0.748	0.44	0.439	13.68	19.13	68570	68730	95910	96120	1.30	8.0	16.3	
3	1.043	5	0.625	0.31	0.307	12.30	15.11	87540	88390	107480	108530	1.10	8.0	13.8	
4	1.043	5	0.625	0.31	0.307	12.05	14.90	85720	86560	106030	107060	1.20	8.0	15.0	
5	0.660	4	0.497	0.20	0.194	6.83	9.04	75320	77650	99710	102790	1.00	8.0	12.5	
6	0.662	4	0.498	0.20	0.195	6.93	9.17	76440	78400	101170	103760	1.10	8.0	13.8	
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BEND TEST:

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

Nasir Nadeem, AGM

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Design & Const Deptt-HO City School (Pvt) Ltd.(Project-Iqbal Campus Sialkot Ph-II)

Client Reference: TCS/D&C/HO/001/SKT/2027

SOM Lab

Ref:

4614 (Page-1/1)

Dated: 12-08-2024

Dated:

12-08-2024

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	2.628	8	0.991	0.79	0.772	23.60	34.22	65880	67420	95530	97760	1.50	8.0	18.8	
2	2.622	8	0.991	0.79	0.771	23.57	33.79	65800	67420	94340	96660	1.50	8.0	18.8	
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BEND TEST:

# 8	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

Habibullah Chaudhry, AM

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

Allied Engg & Services.(R/House, Staff residences,Staff Office,Gen/ Room,G/Room Okara Depalpur)

Client Reference: Nil

SOM Lab

Ref: 4615 (Page-1/1)

Dated: 12-08-2024

Dated: 12-08-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.693	8	1.004	0.79	0.791	26.52	32.42	74050	73960	90500	90380	1.50	8.0	18.8	
2	2.711	8	1.007	0.79	0.797	26.35	31.75	73570	72920	88650	87870	1.30	8.0	16.3	
3	1.481	6	0.744	0.44	0.435	16.59	21.10	83130	84090	105770	106980	1.10	8.0	13.8	
4	1.488	6	0.746	0.44	0.437	17.33	20.61	86860	87460	103310	104020	1.10	8.0	13.8	
5	0.665	4	0.498	0.20	0.195	7.03	8.82	77560	79550	97230	99730	1.00	8.0	12.5	
6	0.675	4	0.502	0.20	0.198	6.60	8.41	72730	73470	92740	93680	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

M. Imran Saeed, PM
GCC,Lahore. (Gulberg City Center,Gulberg II 5K, Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 4616(Page-1/1)

Dated: 09-08-2024

Dated: 12-08-2024

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	2.550	8	0.977	0.79	0.749	24.67	34.56	68870	72640	96470	101750	1.10	8.0	13.8	
2	1.522	6	0.754	0.44	0.447	14.37	20.95	72050	70920	105000	103360	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

