

Anwar Maqbool
Vision Engineering, Near Kot jaspot shehdare Town Lahore

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

Client Reference: Nil

Dated: 04-09-2020

SOM Lab Ref: CED/SOM/2916(Page-1/1)

Dated: 04-09-2020

Test: Tension Test

Test Specification: ASTM-A 82

Sample Type: Plain Bar

Gauge Length: 50 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	4.025	25	25.56	491	513	0.00	362.70	0	0	739	708	0.0	200	0.0	
2	3.954	25	25.32	491	504	0.00	175.70	0	0	358	349	0.0	200	0.0	
3	3.965	25	25.36	491	505	206.70	330.50	421	410	673	655	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Anwar Maqbool
Vision Engineering, Near Kot jaspot shehdare Town Lahore

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/2916(Page-1/1)
Test: Tension Test
Sample Type: Steel Rod (H. T. 1)

Dated: 04-09-2020
Dated: 04-09-2020
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	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	3.965	25	25.36	491	505	206.70	330.50	421	410	673	655	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Anwar Maqbool
 Vision Engineering, Near Kot jaspot shehdare Town Lahore

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/2916(Page-1/1)
Test: Tension Test
Sample Type: Steel Rod (H. T. 1)

Dated: 04-09-2020
Dated: 04-09-2020
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	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	3.965	25	25.36	491	505	206.70	330.50	421	410	673	655	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Maj Tanveer Ahmad (R)
Resident Engineer-2, ACES Sector -V, - DHA, Multan

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

Client Reference: ACES-DHAM-DEV-SEC-V-117

Dated: 28-08-2020

SOM Lab Ref: CED/SOM/2918 (Page-1/1)

Dated: 04-09-2020

Test: Tension Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(SJ 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	0.902	12	12.10	113	115	59.70	78.00	528	520	690	679	25.0	200	12.5	
2	0.868	12	11.86	113	111	60.70	79.70	537	550	705	721	22.5	200	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Engr Khawaja Irfan Saddiqui
Construction Manager, Deever Developers Pvt. Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ZD/ZO/L/033

SOM Lab

Ref: 2917(Page-1/1)

Dated: 04-09-2020

Dated: 04-09-2020

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	0.655	4	0.494	0.20	0.192	6.37	8.69	70260	73190	95770	99760	1.50	8.0	18.8	
2	0.657	4	0.496	0.20	0.193	6.44	8.97	71040	73620	98920	102510	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Majid Aziz (Material Engineer)

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

NESPAK,(Up-Gradation/Dualization of Motorway From Kohat Via Jand Pindigheb Khushal Garhto Kohat(PKG-3))

Client Reference: 3623/103/JH/053

SOM Lab Ref: 2919(Page-1/1)

Dated: 22-08-2020

Dated: 04-09-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Moiz 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	3.401	9	1.128	1.00	0.999	30.84	42.99	68010	68080	94810	94900	1.20	8.0	15.0	
2	3.380	9	1.124	1.00	0.993	32.18	43.96	70980	71480	96940	97630	1.30	8.0	16.3	
3	2.641	8	0.994	0.79	0.776	26.22	35.12	73200	74520	98040	99810	1.20	8.0	15.0	
4	2.647	8	0.995	0.79	0.778	26.50	35.12	73990	75130	98040	99550	1.30	8.0	16.3	
5	1.595	6	0.773	0.44	0.469	17.02	21.61	85330	80050	108320	101620	1.20	8.0	15.0	
6	1.596	6	0.773	0.44	0.469	17.18	21.61	86100	80770	108320	101620	1.10	8.0	13.8	
7	0.638	4	0.488	0.20	0.187	5.30	8.12	58460	62520	89590	95820	1.30	8.0	16.3	
8	0.637	4	0.488	0.20	0.187	5.17	8.12	56990	60960	89590	95820	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Test Performed by: Dr.S. Asad ali Gillani

Anwar Maqbool

Vision Engineering Near Kot Juspat Shahdara Town Lahore

Client Reference No.: Nil

Dated: Nil

SOM Lab Ref: CED/SOM/2916(Page 1/3)

Dated: 04-09-2020

Test Type: Tensile Test

Sample Type: Steel Rod 25mm (N - 1)

Guage Length: 200 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	imm	mm	%	
1	25	25.36	505	206.70	330.50	410	655	35.0	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Note:-

Only One Samples
Received and Tested

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

Test Performed by: Dr.S. Asad ali Gillani

Anwar Maqbool

Vision Engineering Near Kot Juspat Shahdara Town Lahore

Client Reference No.: Nil

Dated: Nil

SOM Lab Ref: CED/SOM/2916(Page 2/3)

Dated: 04-09-2020

Test Type: Tensile Test

Sample Type: Steel Rod 25mm (H. T. 2)

Guage Length: 200 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	imm	mm	%	
1	25	25.32	504	---	175.7	---	358	---	8.0	--	
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
							Note:-				
							Only One Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk											

Test Performed by: Dr.S. Asad ali Gillani

Anwar Maqbool

Vision Engineering Near Kot Juspat Shahdara Town Lahore

Client Reference No.: Nil

Dated: Nil

SOM Lab Ref: CED/SOM/2916(Page 3/3)

Dated: 04-09-2020

Test Type: Tensile Test

Sample Type: Steel Rod 25mm (H. T. 1)

Guage Length: 200 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	imm	mm	%	
1	25	25.56	513	---	362	---	708	---	8.0	--	
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Note:-

Only One Samples
Received and Tested

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

