

Test Performed By: Dr Asad Ali Gillani

Mehwish Rana
Material Engineer (DHA Lab),
Defence Housing Authority Multan
(Infrastructure Work of MC-05)(M/S South Asia Engineering Corporation)

Client Reference: 701/13/Lab/025/DHA

Dated: 22-05-2025

SOM Laboratory Reference: CED/SOM/1267(Page-1/1)

Dated: 22-05-2025

Test: Compressive Strength Tests

Sample Type: Cat Eyes (White & Yellow) (Brand 3M)

Test Results

Sr. No.	Sample Type	Bottom Dimensions (mm)	Top Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eyes (White)	101.6 x 89.2	70.8 x 44.4	15.2	29.16°	13221
2		101.6 x 89.1	70.7 x 44.4	15.2	29.21°	14781
3		101.8 x 89.2	70.8 x 44.4	15.2	29.35°	14526
4	Cat Eyes (Yellow)	101.8 x 89.2	70.7 x 44.5	15.9	30.75°	11131
5		101.8 x 89.1	70.7 x 44.5	15.9	30.94°	10520
6		101.8 x 89.1	70.7 x 44.5	15.9	30.81°	13150

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

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

Client Reference: 81

Dated: 19-03-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1263 (Page-1/1)

Dated: 22-05-2025

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	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.505	4	0.434	0.20	0.148	4.00	6.14	44070	59550	67670	91450	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

NESPAK-Turkpak JV Lhr.(Reconstruction of Lady Willingdon Hospital,Lahore)

Dr. /Engr. Nauman Khurram

Ref: 1264 (Page-1/1)

Dated: 22-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (AF Steel)

[illegible]

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

Municipal Corporation Sahiwal.(Strom Water Channel Jogi Chowk Towards LBDC M.C Sahiwal)

Municipal Corporation Sahiwal.(Strom Water Channel Jogi Chowk Towards LBDC M.C Sahiwal)

Ref: 1265 (Page-1/2)

Dated: 22-05-2025

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	0.660	4	0.497	0.20	0.194	6.57	8.77	72510	74750	96670	99660	0.90	8.0	11.3	
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<u>BEND TEST:</u>															
# 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															

Municipal Corporation Sahiwal.(Rehb Of Pakpattan Bazar From Depalpur Bazar to Jinaah M.C Swl)

Dr. /Engr. Ubaid Mughal

SOM Lab

Ref: 1265 (Page-2/2)

22-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

PHE Sub Div Chichawatni.(R.O Water Filtration Plants With S/System at Chak No.152,155,160/9-L)

Dr. /Engr. Ubaid Mughal

Dated: 07-05-2025

Ref: 1266 (Page-1/1)

Dated: 22-05-2025

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	0.663	4	0.498	0.20	0.195	6.80	9.12	74980	76900	100610	103190	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 Husnain Builders Lahore.(Lahore Grammar School Johar Town Society Lahore)

Dr. /Engr. Ubaid Mughal

Dated: 22-05-2025

Ref: 1268 (Page-1/1)

22-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

Test Performed By: Dr. /Engr. Nauman Khurram

TEVTA & PVTC Institutes in Punjab Province)

SOM Lab
Ref: 1270 (Page-1/1)

Dated: 22-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Hunza 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	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.582	8	0.983	0.79	0.759	21.66	30.70	60480	62950	85720	89220	1.30	8.0	16.3	
2	2.573	8	0.981	0.79	0.756	22.04	30.96	61530	64300	86430	90320	1.80	8.0	22.5	
3	1.523	6	0.755	0.44	0.448	13.35	18.40	66940	65740	92230	90580	1.60	8.0	20.0	
4	1.524	6	0.755	0.44	0.448	14.12	18.83	70770	69510	94370	92690	1.60	8.0	20.0	
5	0.585	4	0.468	0.20	0.172	5.52	7.41	60930	70850	81720	95030	1.20	8.0	15.0	
6	0.584	4	0.468	0.20	0.172	5.37	7.31	59240	68890	80600	93720	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