

Mazhar Hussain Luk
Sub Divisional Officer, Faisalabad.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: SSH/SDO/15/40
Dated: 10-12-2019
Test: Tension Test
Gauge Length: 8 inch

SOM Lab
Ref: 1972(Page-1/1)
Dated: 30-12-2019
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	2.644	8	0.995	0.79	0.777	26.07	35.47	72770	73990	99030	100690	1.40	8.0	17.5	
2	1.460	6	0.739	0.44	0.429	13.78	19.08	69080	70850	95650	98100	1.20	8.0	15.0	
3	0.664	4	0.498	0.20	0.195	6.49	8.84	71610	73440	97460	99960	1.30	8.0	16.3	
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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

Amjad Saeed
Resident Engineer, NESPAK (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3994/103/AS/02/180
Dated: 30-12-2019
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1976(Page-1/1)
Dated: 30-12-2019
ASTM-A-615
Deformed Bar (Kisan Steel)

Test Specification:
Sample Type:

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	2.734	8	1.011	0.79	0.803	27.68	36.46	77270	76010	101800	100150	1.50	8.0	18.8	
2	2.743	8	1.013	0.79	0.806	28.75	37.46	80250	78660	104580	102510	1.30	8.0	16.3	
3	0.635	4	0.488	0.20	0.187	5.68	8.94	62610	66970	98580	105440	1.30	8.0	16.3	
4	0.650	4	0.493	0.20	0.191	5.52	8.79	60930	63800	96900	101460	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	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

Amjad Saeed
Resident Engineer, NESPAK (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3994/103/AS/02/181

SOM Lab

Ref: 1977(Page-1/1)

Dated: 30-12-2019

Dated: 30-12-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	2.579	8	0.982	0.79	0.758	27.75	36.80	77460	80730	102730	107070	1.20	8.0	15.0	
2	2.618	8	0.990	0.79	0.769	29.02	37.77	81020	83230	105440	108320	1.30	8.0	16.3	
3	1.497	6	0.748	0.44	0.440	20.66	25.56	103570	103570	128100	128100	1.00	8.0	12.5	
4	1.518	6	0.754	0.44	0.446	18.20	22.29	91210	89980	111750	110240	1.00	8.0	12.5	
5	1.034	5	0.622	0.31	0.304	12.18	14.50	86670	88380	103130	105160	1.20	8.0	15.0	
6	1.027	5	0.620	0.31	0.302	12.28	14.42	87390	89710	102620	105340	1.20	8.0	15.0	
7	0.654	4	0.494	0.20	0.192	6.75	8.74	74420	77520	96340	100350	1.10	8.0	13.8	
8	0.654	4	0.494	0.20	0.192	6.68	8.69	73630	76700	95770	99760	1.10	8.0	13.8	
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BEND TEST:

# 8(Sr.1,2)	Sample bend through 180 degrees Satisfactorily without any crack
# 6(Sr.3,4)	Sample bend through 180 degrees Satisfactorily without any crack
# 5(Sr.5,6)	Sample bend through 180 degrees Satisfactorily without any crack
# 4(Sr.7,8)	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Sixteen Samples Received and Tested

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