

Engr Jaffar Rashid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Asst. General Manager Izhar Construction (Pvt) Ltd.(Const. Of GBS Nest Office Building)

Client Reference: ICPL/GBS Nest Office Building/Lab/01

Dated: 06-07-2023

SOM Lab Ref: CED/SOM/2524(Page-1/1)

Dated: 06-07-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type: M S Deformed Bar (Sheikhoo 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	3.879	25	25.08	491	494	236.70	316.20	482	480	644	641	40.0	200	20.0	
2	3.714	25	24.54	491	473	250.20	324.20	510	529	660	686	37.5	200	18.8	
3	2.989	22	22.02	380	381	187.70	246.70	494	493	649	648	40.0	200	20.0	
4	2.979	22	21.98	380	379	186.20	246.70	490	491	649	651	40.0	200	20.0	
5	1.561	16	15.91	201	199	102.50	137.20	510	516	682	691	30.0	200	15.0	
6	1.545	16	15.83	201	197	103.70	137.20	516	527	682	697	32.5	200	16.3	
7	0.960	12	12.48	113	122	55.00	78.00	486	450	690	639	32.5	200	16.3	
8	0.964	12	12.51	113	123	54.00	76.70	477	440	678	625	35.0	200	17.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
22mm	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

Raja Muhammad Aqeel
Asth Dir. Building Section DHA Gujranwala. (Const Of 10 Marla Villas Block-A)

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

Client Reference: 111/3/AD Bldgs/Gen/51

SOM Lab

Ref: 2523 (Page-1/1)

Dated: 06-07-2023

Dated: 06-07-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Siraj 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	0.670	4	0.501	0.20	0.197	5.98	8.97	65990	66990	98920	100430	1.30	8.0	16.3	
2	0.673	4	0.502	0.20	0.198	5.86	8.87	64640	65290	97800	98780	1.20	8.0	15.0	
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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