

Engr. Zaheer Ud Din Babar

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

Dy. General Manager Projects.HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

Client Reference: HRLE/SKG/2023/131/5564

SOM Lab Ref:

2834 (Page-1/1)

Dated: 08-09-2023

Dated:

08-09-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 m

Sample Type:

Deformed Bar (Batala Premium)

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	m	%	
1	1.545	16	15.84	201	197	105.50	149.20	525	536	742	758	25.0	200	12.5	
2	1.558	16	15.90	201	198	110.00	148.20	547	555	737	747	25.0	200	12.5	
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Witnessed By: M. Imran (HRL), Muhammad Akram

BEND TEST:

16mm	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

Z.H. Kazmi
Z.H.Kazmi & Associates.(Construction Of MCB Bank Ltd.Gohadpur Branch Gujranwala Region,0222)

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

Client Reference: Nil
Dated: 08-09-2023

SOM Lab
Ref: 2833 (Page-1/1)
Dated: 08-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:
Sample Type:

ASTM-A-615
Deformed
Bar

Gauge Length: 8 h

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	0.697	4	0.511	0.20	0.205	7.29	8.82	80370	78410	97230	94860	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	7.24	8.84	79810	81030	97460	98940	1.10	8.0	13.8	
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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

Saifullah Amin, Sn RE
Nespak Sialkot.(Parking Shed In Sialkot (NCB-Works/PICIIP-27))

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

Client Reference: Nespak/SA/KNK-SKB JV/UET/01

SOM Lab

Ref: 2835 (Page-1/1)

Dated: 04-09-2023

Dated: 08-09-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Sheikhoo 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	1.478	6	0.743	0.44	0.434	13.83	18.81	69340	70300	94270	95570	1.20	8.0	15.0	
2	1.472	6	0.743	0.44	0.433	13.76	18.78	68980	70100	94120	95640	1.30	8.0	16.3	
3	0.671	4	0.501	0.20	0.197	6.93	9.09	76440	77600	100270	101800	1.20	8.0	15.0	
4	0.674	4	0.502	0.20	0.198	6.88	9.12	75880	76640	100610	101620	1.10	8.0	13.8	
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BEND TEST:

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