

Hamza Raees
Chief Executive, Liewell Capsules (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Bilal A. Khokhar

Client Reference: nil

SOM Lab

Ref: 524(Page-1/1)

Dated: 2103-2019

Dated: 2503-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.612	8	0.989	0.79	0.768	26.79	37.23	74790	76930	103930	106910	1.10	8.0	13.8	
2	2.614	8	0.989	0.79	0.768	27.19	36.49	75900	78070	101880	104800	1.10	8.0	13.8	
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BEND TEST:

# 8	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

Hamza Raees
Chief Executive, Liewell Capsules (Pvt) Ltd. Lahore

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Client Reference: nil

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Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.612	8	0.989	0.79	0.768	26.79	37.23	74790	76930	103930	106910	1.10	8.0	13.8	
2	2.614	8	0.989	0.79	0.768	27.19	36.49	75900	78070	101880	104800	1.10	8.0	13.8	
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BEND TEST:

# 8	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

Sajid Mahmood
Manager Construction Projects, Allied Bank

Test Performed By: Dr. /Engr. Bilal A. Khokhar

Client Reference: HOL/Engg C.P./SM/2019

SOM Lab

Ref: 529(Page-1/1)

Dated: 21-03-2019

Dated: 25-03-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	0.678	4	0.503	0.20	0.199	6.39	8.72	70480	70840	96110	96590	1.00	8.0	12.5	
2	0.654	4	0.494	0.20	0.192	6.52	8.79	71940	74940	96900	100930	0.90	8.0	11.3	
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Witnessed By: Hanif Bashir, ABL

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

Muhammad Iqbal Sajid
Project Manager, Lahore Motorway City

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

Client Reference: nil
Dated: 25-03-2019

SOM Lab
Ref: 530(Page-1/1)
Dated: 25-03-2019

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	1.479	6	0.744	0.44	0.435	11.21	16.89	56210	56850	84670	85640	1.60	8.0	20.0	
2	1.487	6	0.746	0.44	0.437	13.46	20.36	67450	67910	102040	102740	1.40	8.0	17.5	
3	0.661	4	0.497	0.20	0.194	6.01	8.38	66320	68370	92400	95260	1.30	8.0	16.3	
4	0.654	4	0.494	0.20	0.192	5.71	8.15	62950	65570	89930	93680	1.40	8.0	17.5	
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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

Muhammad Sarfraz
Lahore

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

Client Reference: Nil

Dated: 25-03-2019

Test: Tension Test

Test Specification:

SOM Lab

Ref: 531(Page-1/1)

Dated: 25-03-2019

ASTM-A-615

Deformed

Bar

Gauge Length: 8 inch

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	1.521	6	0.754	0.44	0.447	15.31	20.23	76750	75540	101420	99840	1.30	8.0	16.3	
2	0.643	4	0.491	0.20	0.189	6.37	8.05	70260	74350	88800	93970	0.90	8.0	11.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Safdar Hussain
Resident Engineer, ACE, Danish School Mankera Residency

Test Performed By: Dr. /Engr. Bilal A Khokhar

Client Reference: ACE/RE-PDS/MNK/BHK/19/200

SOM Lab

Ref: 532(Page-1/1)

Dated: 20-03-2019

Dated: 25-03-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.035	5	0.622	0.31	0.304	9.81	13.53	69770	71150	96240	98140	0.80	8.0	10.0	
2	1.036	5	0.622	0.31	0.304	9.12	12.84	64910	66190	91380	93180	1.00	8.0	12.5	
3	0.674	4	0.502	0.20	0.198	5.50	8.33	60700	61320	91840	92770	1.20	8.0	15.0	
4	0.665	4	0.498	0.20	0.195	5.45	8.26	60140	61680	91050	93390	1.30	8.0	16.3	
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BEND TEST:

# 5	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