Statex *Lab data*

Autoconer Wrapping Test Report

Dharti Spinning Mill Pvt Ltd
Nasitpar, Rajpar Road,
Nasitpar, Morbi,
Gujarat - 363 641.

Test No : 355
Test Date : 04-Mar-25
Test Time : 4:37:03 PM
Shift : Shift 1

Nominal Count : 30.00 Nec
Nominal Strength : 80 lbs
Sample Length : 120 Yards
Process : 30 CH

WB Temp : 72 °F
DB Temp : 82 °F
RH : 60%
Operator : Admin

Machine		Readings 1	2	3	4	Avg. Value	RHC. Value	Cnt.Corr. Strength	CV%	Change Advice
A/C :- 9	Cnt	30.34	30.11	29.90	30.65	30.14	29.93	81.32	1.29	
	Str	77.53	79.05	79.27	72.85	80.85	83.28		3.92	
	CSP	2352	2380	2370	2233	2436	2492		3.36	
		30.35	30.39	30.41	29.90					
		81.88	82.86	80.47	84.17					
		2485	2519	2447	2517					
		30.41	29.92	30.57	29.48					
		78.51	78.73	83.84	88.09					
		2387	2355	2563	2597					
		29.53	29.48	30.61	29.88					
		82.54	82.86	78.94	81.12					
		2438	2443	2416	2424					
		30.61	29.72	30.37	30.21					
		79.71	83.95	80.80	79.82					
		2440	2495	2453	2411					

Statistical Report

	Nom.	Avg.	Min.	Max.	Range	CV%	RHC.	Q95
Count	30.00	30.14	29.48	30.65	1.17	1.29	29.93	0.18
Strength	80.00	80.85	72.85	88.09	15.24	3.92	83.28	1.48
CSP	2400	2436	2233	2597	364	3.36	2492	38.22

Process capability:-	Expected	Achieved	Exp. CV%
Count	29.10 <-> 30.90	28.98 <-> 31.31	1.00
Strength	75.20 <-> 84.80	71.34 <-> 90.36	2.00
CSP	2112 <-> 2688	2191 <-> 2682	4.00

Count : No critical difference (Calculated : 0.4719% Normal : 2.8284%)
Strength : No critical difference (Calculated : 1.0569% Normal : 5.6569%)
CSP : In Units of Nec.lbs

Remarks:- NE-30/1CH YCP CONE

Operator QCM Manager

Dharti spinning mill pvt Ltd Morbi GUJARAT ,INDIA

TU	UT5-1	Catalog	2021	Temp	14.4 °C	Rel.H	65 %
Style	CONDITION	Sample ID	14023	Nom. count	Nec 30	Nom. twist	19.75 T/inch
Tests	20 / 1	v= 400 m/min	t= 1 min	Meas. slot	4	Short staple	
						Absorber	67 %

Dharti Yarn Test Report

Article 30 CH Material class Yarn Mach. Nr. PKG
Uster Statistics 100% CO, ring yarn, combed, cones, knitting, 2013
Fiber Cotton 4Micr 29mm 100% Cotton 0% Cotton 0%
30 CH ROUTION TEST

Total tests : 20 / 20 Single test(s)

Nr	U%	CVm	CVm 10m	Thin -50%	Thick +50%	Neps +200%	H	sh
	%	%	%	/km	/km	/km		
1	10.14	12.74	1.85	0.0	30.0	32.5	7.38	1.71
2	9.75	12.25	1.91	0.0	5.0	27.5	7.05	1.59
3	9.54	12.05	2.66	0.0	12.5	42.5	7.20	1.61
4	10.05	12.68	2.22	0.0	15.0	47.5	7.16	1.63
5	9.60	12.13	2.69	0.0	15.0	35.0	7.13	1.60
6	10.03	12.62	2.63	0.0	5.0	25.0	7.22	1.58
7	9.72	12.23	2.12	0.0	10.0	20.0	7.00	1.59
8	9.52	11.99	1.97	0.0	15.0	35.0	7.40	1.64
9	9.64	12.12	2.24	0.0	7.5	30.0	7.19	1.64
10	9.65	12.16	2.03	0.0	10.0	32.5	7.51	1.63
11	9.73	12.34	2.40	0.0	7.5	32.5	7.29	1.55
12	10.53	13.32	2.50	5.0	22.5	30.0	7.33	1.67
13	9.61	12.11	2.19	2.5	20.0	30.0	7.12	1.60
14	9.80	12.37	2.65	0.0	22.5	42.5	7.22	1.65
15	9.63	12.15	2.46	2.5	12.5	32.5	7.19	1.65
16	9.53	12.01	2.32	0.0	5.0	40.0	7.25	1.62
17	9.58	12.09	2.39	0.0	12.5	20.0	7.12	1.59
18	9.98	12.50	2.28	0.0	7.5	32.5	7.17	1.62
19	9.25	11.67	2.87	0.0	5.0	32.5	6.96	1.63
20	9.64	12.14	2.38	0.0	10.0	35.0	7.49	1.72
Mean	9.75	12.28	2.34	0.5	12.5	32.8	7.22	1.63
CV	2.9	2.9	12.0	261.6	55.1	21.1	2.0	2.6
s	0.28	0.35	0.28	1.3	6.9	6.9	0.15	0.04
Q95	0.13	0.17	0.13	0.6	3.2	3.2	0.07	0.02
Max	10.53	13.32	2.87	5.0	30.0	47.5	7.51	1.72
Min	9.25	11.67	1.85	0.0	5.0	20.0	6.96	1.55
USP™13		29	62	< 5	5	32	85	65

Thin -50% = 0.5
Thick +50%= 12.5
Neps+200%= 32.8
Total = 45.8