

DHRUV COTTON Processing pvt. Ltd

Atkot-Jasdan Road
Atkot-360040
dist.Rajkot [Gujrat]

Test No : 2304	Nominal Count : 30.00 Nec	WB Temp : 65 `F
Test Date : 2/23/2025	Nominal Strength : 81.6 lbs	DB Temp : 74 `F
Test Time : 4:44:55 PM	Sample Length : 120 Yards	RH : 60%
Shift : Shift 1	Process : 30/1CH	Operator : Admin

Machine	1	Readings			Avg. Value	RHC. Value	Cnt.Corr. Strength	CV%	Change Advice
		2	3	4					
CONDITION	Cnt 30.81	29.67	30.24	29.79	30.14	29.93	83.90	1.23	
	Str 80.72	84.38	77.45	79.00	83.44	85.94		4.41	
	CSP 2487	2504	2342	2354	2514	2572		4.30	
	30.47	30.01	29.90	30.57					
	88.16	85.84	85.86	80.74					
	2686	2577	2567	2468					
	29.92	30.00							
	87.25	84.99							
	2610	2550							

Statistical Report

	Nom.	Avg.	Min.	Max.	Range	CV%	RHC.	Q95
Count	30.00	30.14	29.67	30.81	1.14	1.23	29.93	0.26
Strength	81.60	83.44	77.45	88.16	10.71	4.41	85.94	2.59
CSP	2448	2514	2342	2686	344	4.30	2572	76.11
Process capability:-	Expected		Achieved		Exp. CV%			
Count	29.10 <-> 30.90		29.03 <-> 31.25		1.00			
Strength	73.03 <-> 90.17		72.40 <-> 94.48		3.50			
CSP	2118 <-> 2778		2190 <-> 2838		4.50			

Count : No critical difference (Calculated : 0.4579% Normal : 4%)

Strength : No critical difference (Calculated : 2.2285% Normal : 8%)

CSP : In Units of Nec.lbs

Remarks:- 30/1CH

Operator

QCM

GM



DHRUV COTTON PROCESSING PVT LTD
ATKOT-JASDAN ROAD RAJKOT , GUJARAT-360040 INDIA

USTER® TESTER 5 - M R 3.7.0 Sun 23.02.25 15:45 Operator KUSUM

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TU UT5-1 Catalog D2
 Style YCP CONES Sample ID 94940 Nom. count Nec 30 Nom. twist 20.81 T/inch
 Tests 10 / 1 v= 400 m/min t= 1 min Meas. slot 4 Short staple

Dhruv UT5 Testing Report

Article 30/1CH Material class Yarn Mach. Nr.
 Uster Statistics 100% CO, ring yarn, combed, cones, weaving, 2013
 Fiber Cotton 4.05Micr 30mm 100% Cotton 0% Cotton 0%
 30/1CH

Total tests : 10 / 10 Single test(s)

Nr	U%	CVm	CVm 1m	CVm 3m	CVm 10m	Thin -30%	Thin -40%	Thin -50%	Thick +35%	Thick +50%	Neps +140%	Neps +200%	Neps +280%	Rel. Cnt ±	DR 1.5m
%	%	%	%	%	%	/km	/km	/km	/km	/km	/km	/km	/km	%	%
1	9.44	11.96	3.94	3.10	2.36	722.5	22.5	0.0	187.5	20.0	212.5	40.0	15.0	0.3	19.7
2	9.56	12.04	4.10	3.48	2.61	752.5	22.5	0.0	192.5	10.0	300.0	30.0	2.5	0.2	22.0
3	9.44	11.91	3.88	3.26	2.68	640.0	15.0	0.0	197.5	15.0	267.5	42.5	10.0	0.9	18.7
4	9.66	12.16	3.90	3.07	2.29	732.5	30.0	0.0	212.5	17.5	257.5	35.0	7.5	1.2	19.4
5	9.24	11.67	3.96	3.31	2.53	630.0	12.5	0.0	135.0	10.0	212.5	35.0	7.5	-0.7	19.4
6	9.53	12.03	4.31	3.66	3.03	732.5	20.0	0.0	172.5	7.5	370.0	55.0	15.0	-0.7	25.9
7	9.39	11.81	3.84	3.20	2.61	737.5	45.0	0.0	127.5	10.0	285.0	37.5	7.5	-1.4	18.4
8	9.51	12.01	3.88	3.32	2.65	692.5	37.5	0.0	190.0	17.5	272.5	50.0	7.5	0.3	23.7
9	9.31	11.74	3.81	3.21	2.27	687.5	25.0	0.0	157.5	10.0	287.5	45.0	10.0	0.1	21.1
10	9.64	12.17	4.17	3.39	2.70	855.0	32.5	0.0	160.0	15.0	330.0	52.5	12.5	-0.1	24.7
Mean	9.47	11.95	3.98	3.30	2.57	718.3	26.3	0.0	173.3	13.3	279.5	42.3	9.5	0.0	21.3
CV	1.4	1.4	4.1	5.4	8.8	8.8	38.4		16.1	32.1	17.2	19.6	40.8	0.8	12.46
s	0.14	0.17	0.16	0.18	0.23	63.4	10.1	0.0	27.8	4.3	48.2	8.3	3.9	0.8	2.7
Q95	0.10	0.12	0.12	0.13	0.16	45.4	7.2		19.9	3.0	34.5	5.9	2.8	0.6	1.9
Min	9.24	11.67	3.81	3.07	2.27	630.0	12.5	0.0	127.5	7.5	212.5	30.0	2.5	-1.4	18.4
Max	9.66	12.17	4.31	3.66	3.03	855.0	45.0	0.0	212.5	20.0	370.0	55.0	15.0	1.2	25.9

Thin -50% 0.0
 Thick +50% 13.3
 Neps +200% 42.3
 Total

55.6

