

M M YARNS Pvt Ltd,
 KARACHIYA (Jam), GONDAL- ATKOT ROAD
 ATKOT-JASDAN, 360060
 RAJKOT (GUJARAT), INDIA

| | | |
|------------------------|------------------------------|------------------|
| Test No : 6579 | Nominal Count : 30.00 Nec | WB Temp : 68 °F |
| Test Date : 10-Mar-25 | Nominal Strength : 87.13 lbs | DB Temp : 77 °F |
| Test Time : 3:00:01 PM | Sample Length : 120 Yards | RH : 65% |
| Shift : Shift 1 | Process : 30CH | Operator : Admin |

| Machine | 1 | Readings 2 | 3 | 4 | Avg. Value | RHC. Value | Cnt.Corr. Strength | CV% | Change Advice |
|-----------|-----------|---------------|-------|-------|---------------|---------------|-----------------------|------|------------------|
| CONDITION | Cnt 29.75 | 29.77 | 29.75 | 29.93 | 30.12 | 30.12 | 87.55 | 1.25 | |
| | Str 90.61 | 89.49 | 93.54 | 87.85 | 87.13 | 87.13 | | 3.22 | |
| | CSP 2696 | 2664 | 2783 | 2629 | 2624 | 2624 | | 3.24 | |
| | 30.25 | 30.22 | 29.82 | 29.60 | | | | | |
| | 87.24 | 84.67 | 85.33 | 86.65 | | | | | |
| | 2639 | 2559 | 2544 | 2565 | | | | | |
| | 30.13 | 30.35 | 30.80 | 30.39 | | | | | |
| | 80.77 | 87.44 | 88.84 | 85.78 | | | | | |
| | 2433 | 2654 | 2736 | 2607 | | | | | |
| | 30.51 | 30.47 | 30.52 | 29.58 | | | | | |
| | 86.67 | 85.32 | 87.44 | 84.69 | | | | | |
| | 2644 | 2599 | 2669 | 2505 | | | | | |
| | 30.32 | 29.53 | 30.52 | 30.22 | | | | | |
| | 86.25 | 89.79 | 90.10 | 84.07 | | | | | |
| | 2615 | 2652 | 2750 | 2541 | | | | | |

No 30/1
Combed Knitting
100% Cotton Yarn

| Statistical Report | | | | | | | | |
|----------------------|-----------------|-------|-----------------|-------|----------|------|-------|-------|
| | Nom. | Avg. | Min. | Max. | Range | CV% | RHC. | Q95 |
| Count | 30.00 | 30.12 | 29.53 | 30.80 | 1.26 | 1.25 | 30.12 | 0.18 |
| Strength | 87.13 | 87.13 | 80.77 | 93.54 | 12.77 | 3.22 | 87.13 | 1.31 |
| CSP | 2614 | 2624 | 2433 | 2783 | 350 | 3.24 | 2624 | 39.65 |
| Process capability:- | Expected | | Achieved | | Exp. CV% | | | |
| Count | 29.10 <-> 30.90 | | 28.99 <-> 31.25 | | 1.00 | | | |
| Strength | 81.90 <-> 92.36 | | 78.71 <-> 95.55 | | 2.00 | | | |
| CSP | 2300 <-> 2928 | | 2369 <-> 2879 | | 4.00 | | | |

Count : No critical difference (Calculated : 0.4058% Normal : 2.8284%)
 Strength : No critical difference (Calculated : 0.0041% Normal : 5.6569%)
 CSP : In Units of Nec.lbs

Remarks:- 30/1 CH LOT NO-JK/30/53 JK YARN LOT INSPECTION REPORT

Operator

QCM

FM

**M M YARNS PVT. LTD.****ATKOT-GONDAL HIGHWAY,RAJKOT,GUJARAT,INDIA.**

USTER® TESTER 5 - S400 R 6.0.0.0 Mon 10.03.25 15:00
 TU UT5-1 Catalog M1
 Style YCP CONE Sample ID 60834
 Tests 20 / 1 v= 400 m/min t= 1 min

Operator Sumitra
 Temp 27 °C
 Nom. count Nec 30
 Meas. slot 4

Page 1
 Rel.H 49.6 %
 Nom. twist 20.54 T/inch
 Short staple

MM REPORT

Article 30CH Material class Yarn Mach. Nr.

Uster Statistics 100% CO, ring yarn, combed, package, knitting, 2018

Fiber Cotton 4.2dtex 29.8mm 100% Cotton 0%

Cotton 0%

30/1CH LOT NO - JK/30/53 JK YARN LOT INSPECTION

No 30/1
Combed Knitting
100% Cotton Yarn

Total tests : 20 / 20 Single test(s)

| Nr | U% | CVm | CVm 1m | CVm 3m | CVm 10m | 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 | % | % |
| 1 | 9.53 | 12.02 | 3.25 | 2.59 | 1.96 | 20.0 | 0.0 | 202.5 | 10.0 | 430.0 | 45.0 | 2.5 | -0.6 | 8.9 |
| 2 | 9.06 | 11.46 | 3.08 | 2.46 | 1.75 | 12.5 | 0.0 | 170.0 | 15.0 | 295.0 | 40.0 | 22.5 | 1.0 | 10.1 |
| 3 | 9.51 | 11.97 | 3.96 | 3.33 | 2.57 | 22.5 | 0.0 | 142.5 | 7.5 | 317.5 | 40.0 | 12.5 | -1.1 | 19.9 |
| 4 | 9.11 | 11.53 | 3.58 | 3.11 | 2.63 | 10.0 | 0.0 | 125.0 | 17.5 | 307.5 | 52.5 | 12.5 | 1.5 | 16.9 |
| 5 | 9.05 | 11.41 | 3.38 | 2.85 | 2.15 | 22.5 | 0.0 | 127.5 | 15.0 | 285.0 | 45.0 | 17.5 | 0.6 | 14.3 |
| 6 | 9.15 | 11.57 | 3.47 | 2.97 | 2.49 | 12.5 | 0.0 | 127.5 | 15.0 | 297.5 | 35.0 | 7.5 | 1.2 | 13.7 |
| 7 | 9.30 | 11.74 | 3.59 | 2.92 | 2.08 | 17.5 | 0.0 | 150.0 | 15.0 | 350.0 | 40.0 | 12.5 | -0.9 | 13.4 |
| 8 | 9.10 | 11.52 | 3.21 | 2.72 | 1.99 | 17.5 | 0.0 | 145.0 | 20.0 | 262.5 | 45.0 | 12.5 | 0.5 | 12.0 |
| 9 | 9.42 | 11.86 | 3.33 | 2.79 | 2.17 | 15.0 | 0.0 | 145.0 | 15.0 | 352.5 | 47.5 | 15.0 | 0.3 | 15.0 |
| 10 | 9.53 | 12.00 | 3.54 | 3.05 | 2.73 | 25.0 | 0.0 | 167.5 | 7.5 | 250.0 | 30.0 | 5.0 | -1.4 | 14.6 |
| 11 | 9.36 | 11.77 | 3.65 | 3.12 | 2.62 | 17.5 | 0.0 | 125.0 | 12.5 | 280.0 | 27.5 | 10.0 | 0.1 | 16.7 |
| 12 | 9.24 | 11.65 | 3.08 | 2.35 | 1.63 | 20.0 | 0.0 | 142.5 | 15.0 | 360.0 | 42.5 | 15.0 | 0.8 | 9.8 |
| 13 | 9.49 | 11.99 | 3.44 | 2.75 | 2.10 | 40.0 | 0.0 | 170.0 | 15.0 | 470.0 | 42.5 | 0.0 | -1.4 | 13.4 |
| 14 | 9.08 | 11.48 | 3.19 | 2.58 | 2.01 | 10.0 | 0.0 | 132.5 | 10.0 | 265.0 | 42.5 | 10.0 | 0.7 | 10.8 |
| 15 | 9.33 | 11.81 | 3.67 | 3.08 | 2.43 | 25.0 | 0.0 | 137.5 | 15.0 | 340.0 | 35.0 | 7.5 | -2.1 | 16.6 |
| 16 | 9.58 | 12.08 | 3.64 | 3.14 | 2.41 | 22.5 | 0.0 | 217.5 | 22.5 | 405.0 | 52.5 | 20.0 | -1.6 | 17.1 |
| 17 | 9.37 | 11.85 | 3.21 | 2.66 | 1.92 | 17.5 | 0.0 | 170.0 | 20.0 | 367.5 | 45.0 | 12.5 | -0.7 | 10.1 |
| 18 | 9.01 | 11.34 | 3.09 | 2.53 | 1.80 | 10.0 | 0.0 | 145.0 | 15.0 | 220.0 | 40.0 | 12.5 | 0.5 | 11.3 |
| 19 | 9.14 | 11.53 | 3.26 | 2.65 | 2.02 | 17.5 | 0.0 | 147.5 | 20.0 | 227.5 | 42.5 | 22.5 | 1.1 | 11.6 |
| 20 | 9.11 | 11.54 | 3.43 | 2.91 | 2.33 | 12.5 | 0.0 | 162.5 | 17.5 | 205.0 | 37.5 | 22.5 | 1.4 | 14.4 |
| Mean | 9.27 | 11.71 | 3.40 | 2.83 | 2.19 | 18.4 | 0.0 | 152.6 | 15.0 | 314.4 | 41.4 | 12.6 | -0.0 | 13.5 |
| CV | 2.1 | 2.0 | 6.9 | 9.3 | 14.6 | 38.3 | | 16.3 | 27.0 | 22.4 | 15.4 | 50.4 | 1.1 | 21.77 |
| Q95 | 0.09 | 0.11 | 0.11 | 0.12 | 0.15 | 3.3 | | 11.6 | 1.9 | 33.0 | 3.0 | 3.0 | 0.5 | 1.4 |
| s | 0.19 | 0.23 | 0.24 | 0.26 | 0.32 | 7.0 | 0.0 | 24.9 | 4.1 | 70.5 | 6.4 | 6.4 | 1.1 | 2.9 |
| Min | 9.01 | 11.34 | 3.08 | 2.35 | 1.63 | 10.0 | 0.0 | 125.0 | 7.5 | 205.0 | 27.5 | 0.0 | -2.1 | 8.9 |
| Max | 9.58 | 12.08 | 3.96 | 3.33 | 2.73 | 40.0 | 0.0 | 217.5 | 22.5 | 470.0 | 52.5 | 22.5 | 1.5 | 19.9 |
| USP™18 | | 14 | 36 | 51 | 50 | < 5 | < 5 | 18 | 13 | 49 | 49 | | | |

Thin -50% 0.0
 Thick +50% 15.0
 Neps +200% 41.4
 Total 56.4

Operator

QCM

GM