# Optical Fiber Diameter Analyser (OFDA100)
# Micron Test Report

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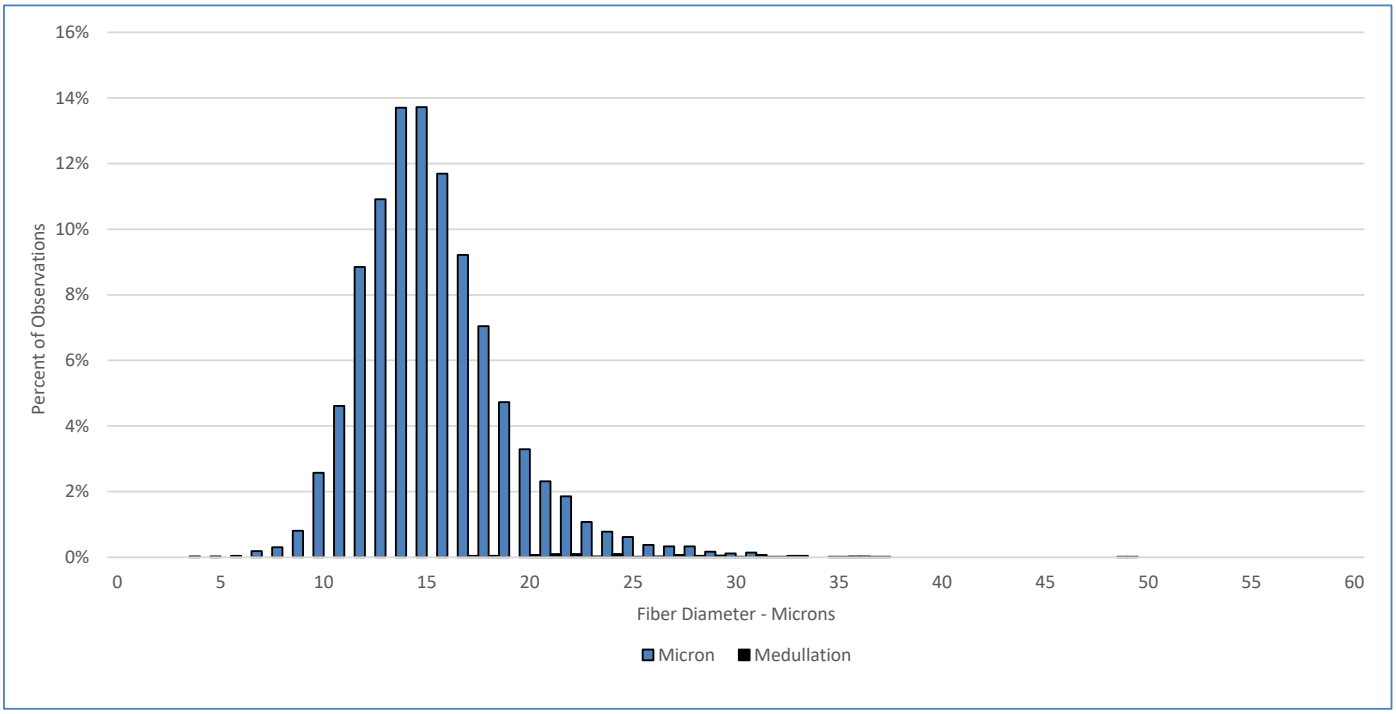
|---|---|---|---|
| Flying Iron Ranch | | Date: | 9-Jul-26 |
| 4019 County Rd 1, Montrose | | Shear ID: | 283536 |
| CO 81403, US | | Test No: | 627303 |

## Animal and Sample Description

| | | | |
|---|---|---|---|
| Animal Name: | FIR SNOW ANGELXX | Date of Birth (Age): | 5-Jul-25 |
| Registry #: | 36380459 | Sample Location: | GRID |
| Breed: | Huacaya | Sample Date: | 18-May-26 |
| Sex: | Female | Previous Shear Date: | 5-Jul-25 |
| Colour: | 100 - White | Total Fleece Wt (lbs): | 6.4 |

## Laboratory Data

| | | | |
|---|---|---|---|
| Mean Fiber Diameter: | 15.5 microns | Mean Staple Length: | 90 mm |
| Standard Deviation: | 3.5 microns | Length Standard Deviation: | 1.9 mm |
| Coefficient of Variation: | 22.8 % | Length Coefficient of Variation: | 2.1 % |
| Spin Fineness: | 15.4 microns | Mean Curvature: | 58.9 deg/mm |
| Fibers Greater Than 30 microns: | 0.3 % | SD Curvature: | 40.5 deg/mm |
| Comfort Factor: | 99.7 % | Medullated Fibers: | 0.9 % |




The OFDA100 base cut method minimizes the effects of environmental variability and provides more accurate comparisons of genetic capability. Average staple length is determined from multiple staples measured using a calibrated electronic length instrument, and is important for managing yarn processing outcomes.

## Test Performed According to Method AS/NZS 4492.5:2000

Jeremy Wear
**Business Manager**

Ioasa Kosena
**Authorised Signatory**

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