



Optical Fiber Diameter Analyser (OFDA100) Micron Test Report

Flying Iron Ranch
4019 County Rd 1, Montrose
CO 81403, US

Date: 9-Jul-26
Shear ID: 283518
Test No: 627285

Animal and Sample Description

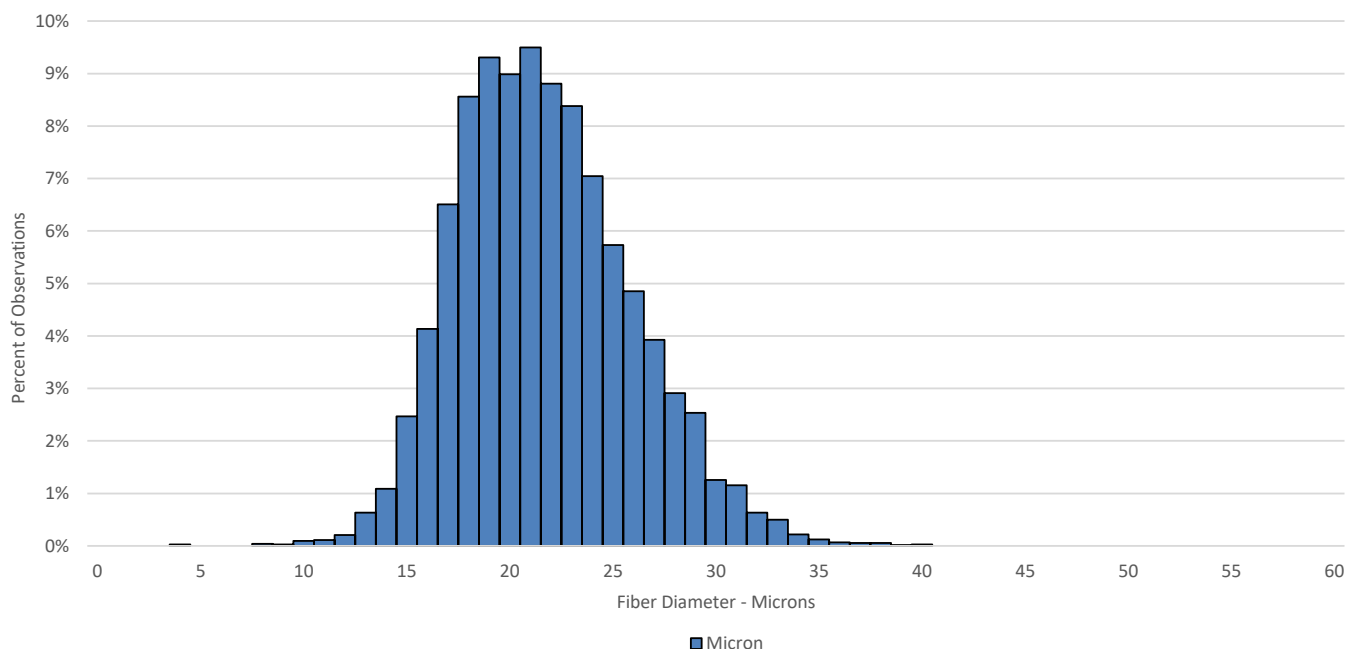
Animal Name: FIR Diamante's Jetson
Registry #: 36191048
Breed: Huacaya
Sex: Male
Colour: 500 - True Black

Date of Birth (Age): 22-May-22
Sample Location: GRID
Sample Date: 18-May-26
Previous Shear Date: 6-May-25
Total Fleece Wt (lbs): 13.2

Laboratory Data

Mean Fiber Diameter: 21.7 microns
Standard Deviation: 4.2 microns
Coefficient of Variation: 19.4 %
Spin Fineness: 20.8 microns
Fibers Greater Than 30 microns: 2.8 %
Comfort Factor: 97.2 %

Mean Staple Length: 85 mm
Length Standard Deviation: 5.0 mm
Length Coefficient of Variation: 5.9 %
Mean Curvature: 52.6 deg/mm
SD Curvature: 37.2 deg/mm



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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