



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: 283533
Test No: 627300

Animal and Sample Description

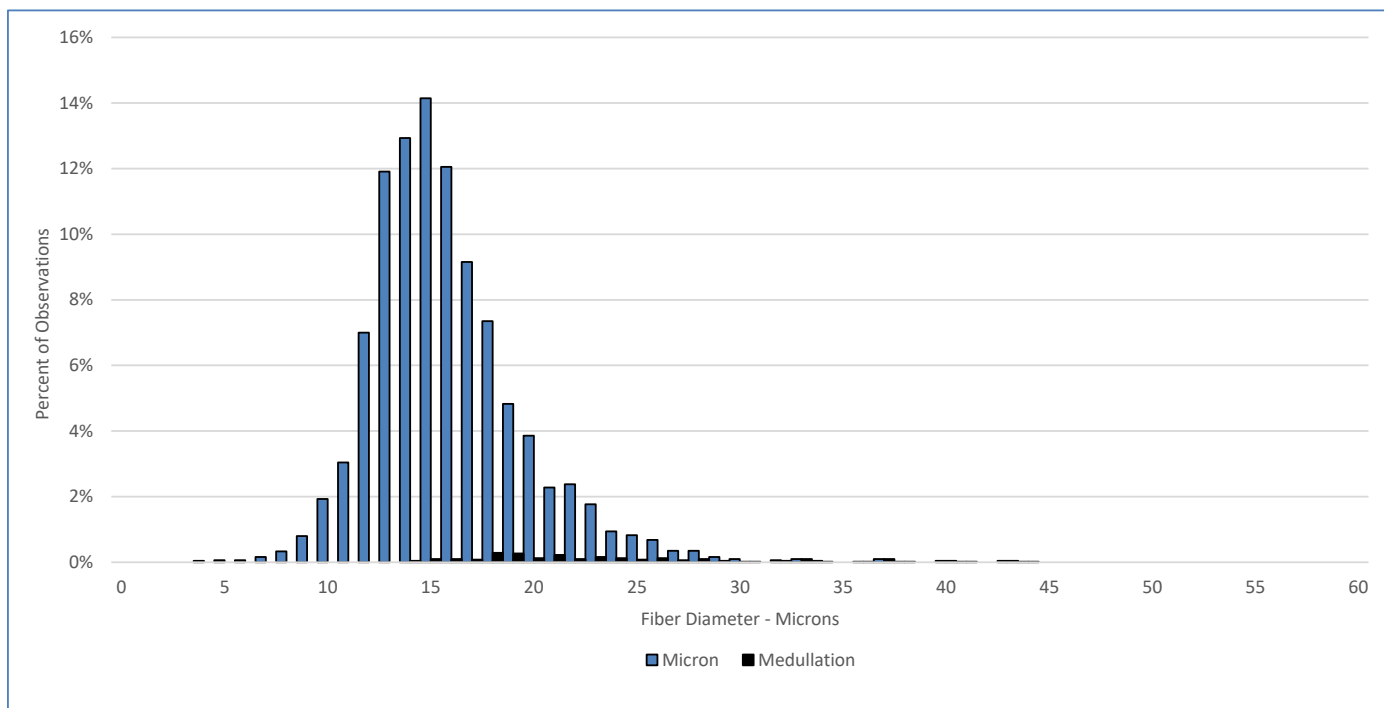
Animal Name: FIR RUBY BY AVALANCHE
Registry #: 36302055
Breed: Huacaya
Sex: Female
Colour: 202 - Light Fawn

Date of Birth (Age): 28-Aug-24
Sample Location: GRID
Sample Date: 18-May-26
Previous Shear Date:
Total Fleece Wt (lbs): 5.6

Laboratory Data

Mean Fiber Diameter: 15.9 microns
Standard Deviation: 3.8 microns
Coefficient of Variation: 23.8 %
Spin Fineness: 15.9 microns
Fibers Greater Than 30 microns: 0.5 %
Comfort Factor: 99.5 %

Mean Staple Length: 101 mm
Length Standard Deviation: 3.1 mm
Length Coefficient of Variation: 3.0 %
Mean Curvature: 57.5 deg/mm
SD Curvature: 37.8 deg/mm
Medullated Fibers: 2.5 %



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

[SGS General Terms and Conditions](#)

The validity of this document may be confirmed by contacting the address shown below

SGS NZ LTD - 48 Kemp Street, Kilbirnie 6022, Wellington, New Zealand. Tel: 64-4-387 8565 Email: WoolOnline@sgs.com Web: www.wooltesting.sgs.com