



Optical Fiber Diameter Analyser (OFDA100) Micron Test Report

Red Granite Ranch
1021 Red Granite Ranch Rd, Livermore
CO 80536, US

Date: 24-Aug-26
Shear ID: 285341
Test No: 628540

Animal and Sample Description

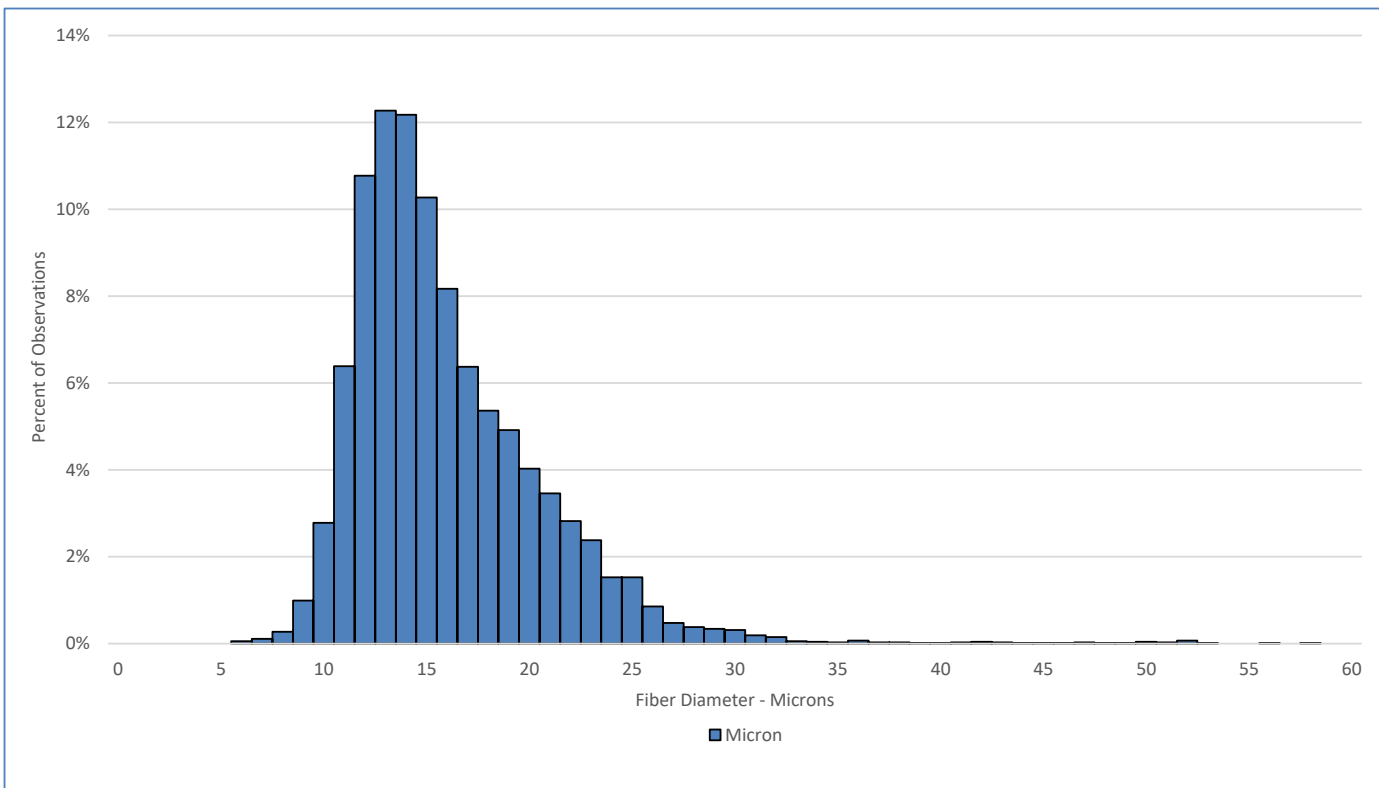
Animal Name: RED GRANITES POMPEII
Registry #: 36291557
Breed: Huacaya
Sex: Female
Colour: 410 - Dark Brown

Date of Birth (Age): 10-May-25
Sample Location: GRID
Sample Date: 5-Jun-26
Previous Shear Date: 10-May-25
Total Fleece Wt (lbs): 4.1

Laboratory Data

Mean Fiber Diameter: 16.0 microns
Standard Deviation: 4.7 microns
Coefficient of Variation: 29.5 %
Spin Fineness: 16.9 microns
Fibers Greater Than 30 microns: 1.0 %
Comfort Factor: 99.0 %

Mean Staple Length: 89 mm
Length Standard Deviation: 9.2 mm
Length Coefficient of Variation: 10.3 %
Mean Curvature: 57.6 deg/mm
SD Curvature: 40.2 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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