



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: 285313
Test No: 628512

Animal and Sample Description

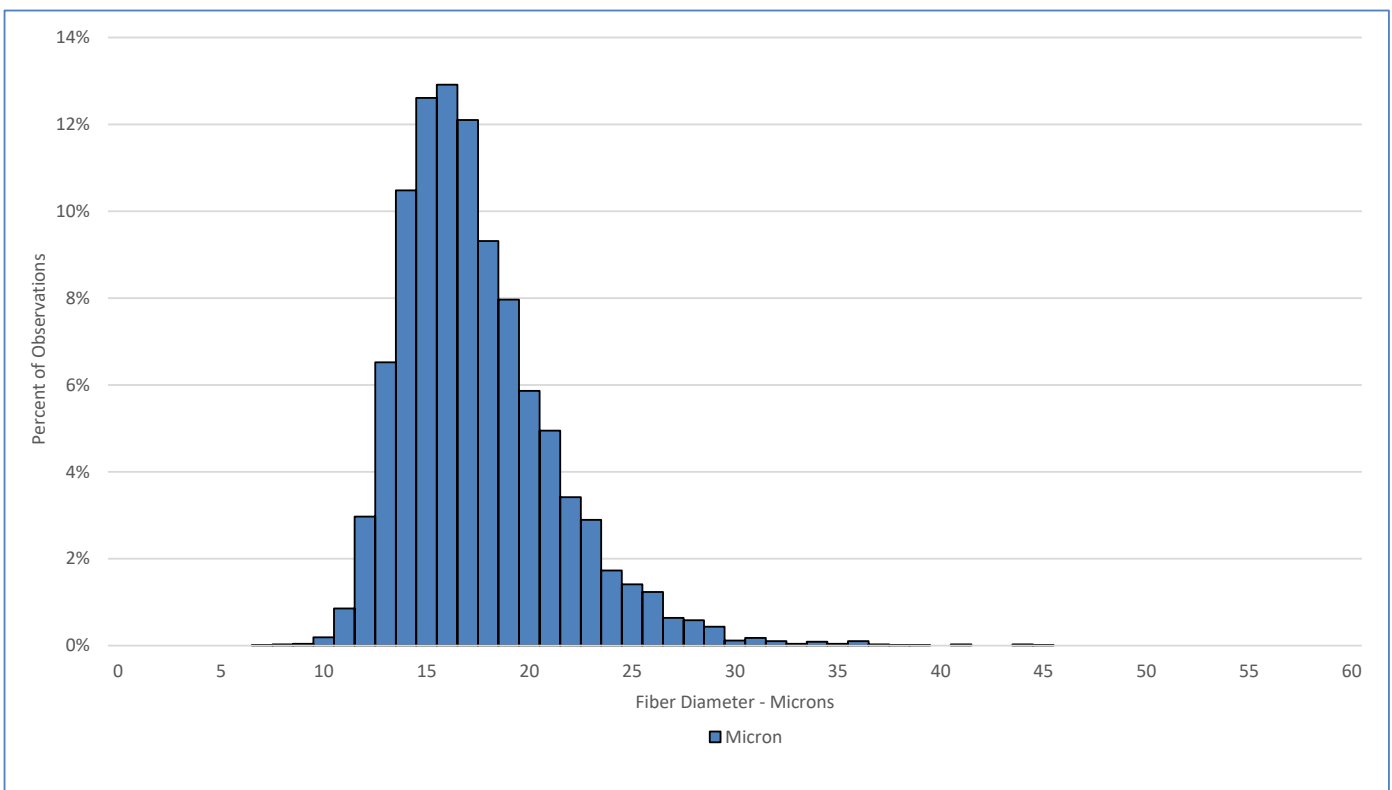
Animal Name: RED GRANITES LARIMER
Registry #: 35547488
Breed: Huacaya
Sex: Male
Colour: 204 - Medium Fawn

Date of Birth (Age): 1-Jul-22
Sample Location: GRID
Sample Date: 5-Jun-26
Previous Shear Date: 31-May-25
Total Fleece Wt (lbs): 7.9

Laboratory Data

Mean Fiber Diameter: 17.5 microns
Standard Deviation: 4.1 microns
Coefficient of Variation: 23.4 %
Spin Fineness: 17.4 microns
Fibers Greater Than 30 microns: 0.7 %
Comfort Factor: 99.3 %

Mean Staple Length: 83 mm
Length Standard Deviation: 7.1 mm
Length Coefficient of Variation: 8.4 %
Mean Curvature: 67.5 deg/mm
SD Curvature: 44.4 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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