



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: 285333
Test No: 628532

Animal and Sample Description

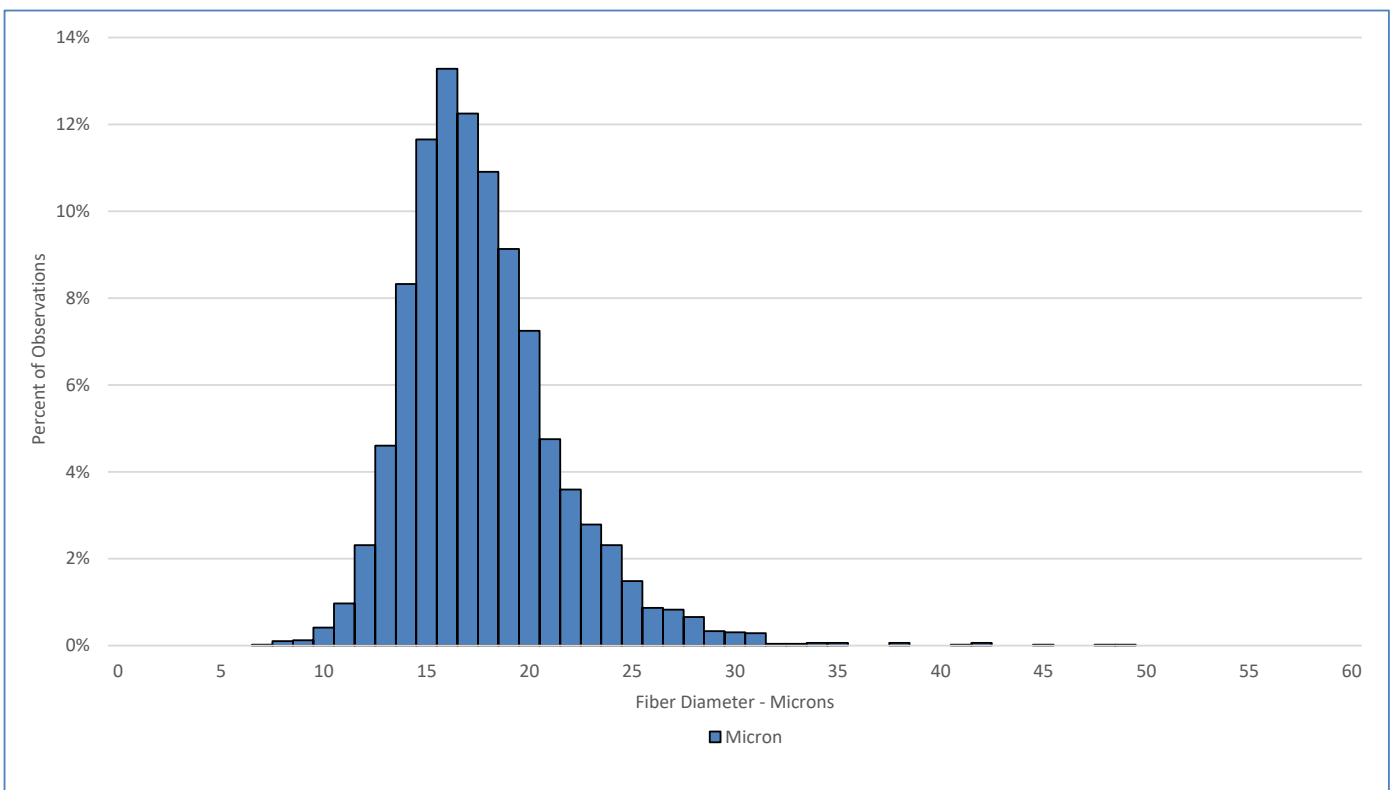
Animal Name: RED GRANITES PEMBE
Registry #: 36291717
Breed: Huacaya
Sex: Female
Colour: 360 - Bay Black

Date of Birth (Age): 2-Aug-24
Sample Location: GRID
Sample Date: 5-Jun-26
Previous Shear Date: 31-May-25
Total Fleece Wt (lbs): 6.4

Laboratory Data

Mean Fiber Diameter: 17.8 microns
Standard Deviation: 3.9 microns
Coefficient of Variation: 22.0 %
Spin Fineness: 17.4 microns
Fibers Greater Than 30 microns: 0.7 %
Comfort Factor: 99.3 %

Mean Staple Length: 86 mm
Length Standard Deviation: 1.7 mm
Length Coefficient of Variation: 1.9 %
Mean Curvature: 59.9 deg/mm
SD Curvature: 40.1 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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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