



## 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: 285242  
Test No: 628441

### Animal and Sample Description

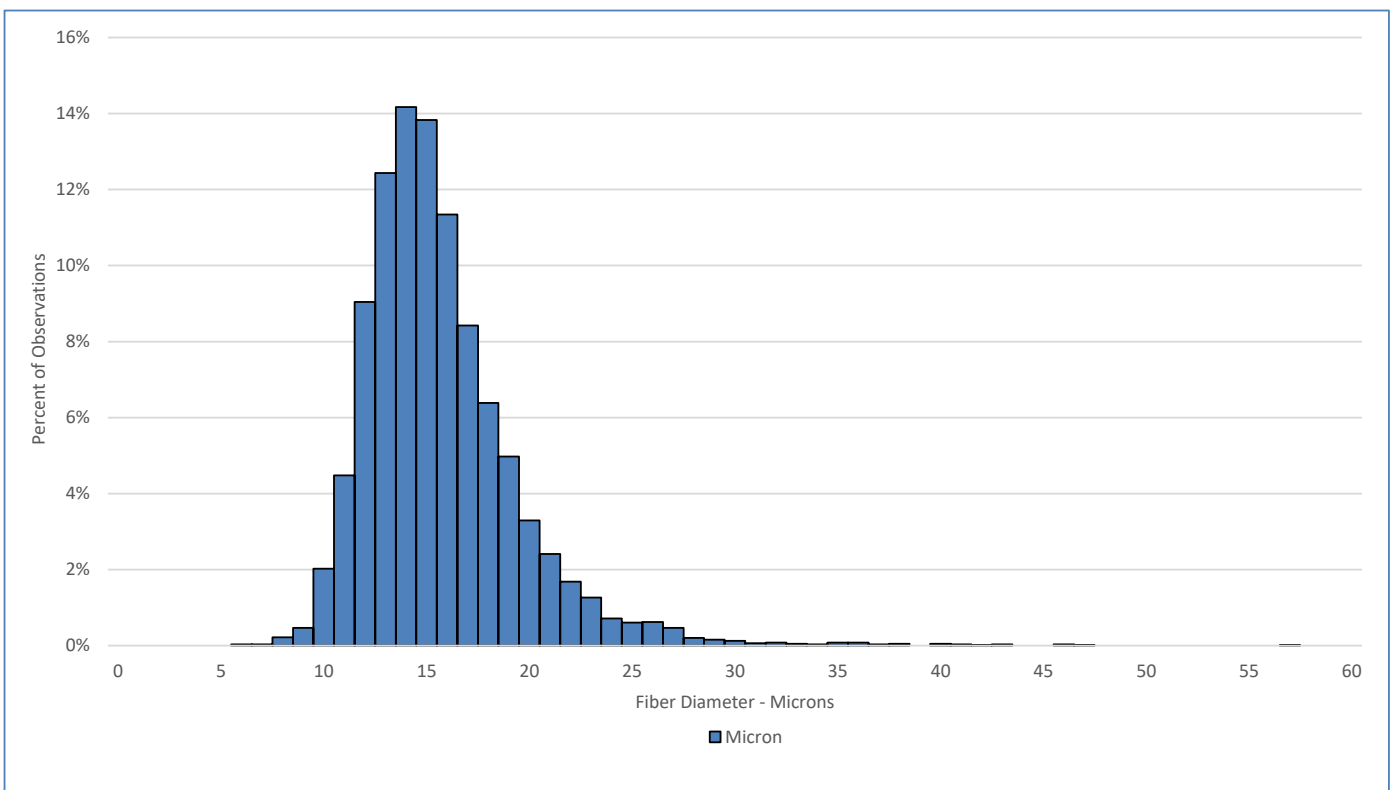
Animal Name: RED GRANITES AFTIE  
Registry #: 36407422  
Breed: Huacaya  
Sex: Female  
Colour: 204 - Medium Fawn

Date of Birth (Age): 28-Aug-25  
Sample Location: GRID  
Sample Date: 5-Jun-26  
Previous Shear Date: 28-Aug-25  
Total Fleece Wt (lbs): 4

### Laboratory Data

Mean Fiber Diameter: 15.7 microns  
Standard Deviation: 3.8 microns  
Coefficient of Variation: 24.3 %  
Spin Fineness: 15.7 microns  
Fibers Greater Than 30 microns: 0.6 %  
Comfort Factor: 99.4 %

Mean Staple Length: 104 mm  
Length Standard Deviation: 7.8 mm  
Length Coefficient of Variation: 7.6 %  
Mean Curvature: 56.5 deg/mm  
SD Curvature: 39.2 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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