



Optical Fiber Diameter Analyser (OFDA100) Micron Test Report

Stirling Ridge Alpacas
5120 Robinson Park Rd, Moscow
ID 83843, US

Date: 16-Sep-26
Shear ID: 288816
Test No: 628721

Animal and Sample Description

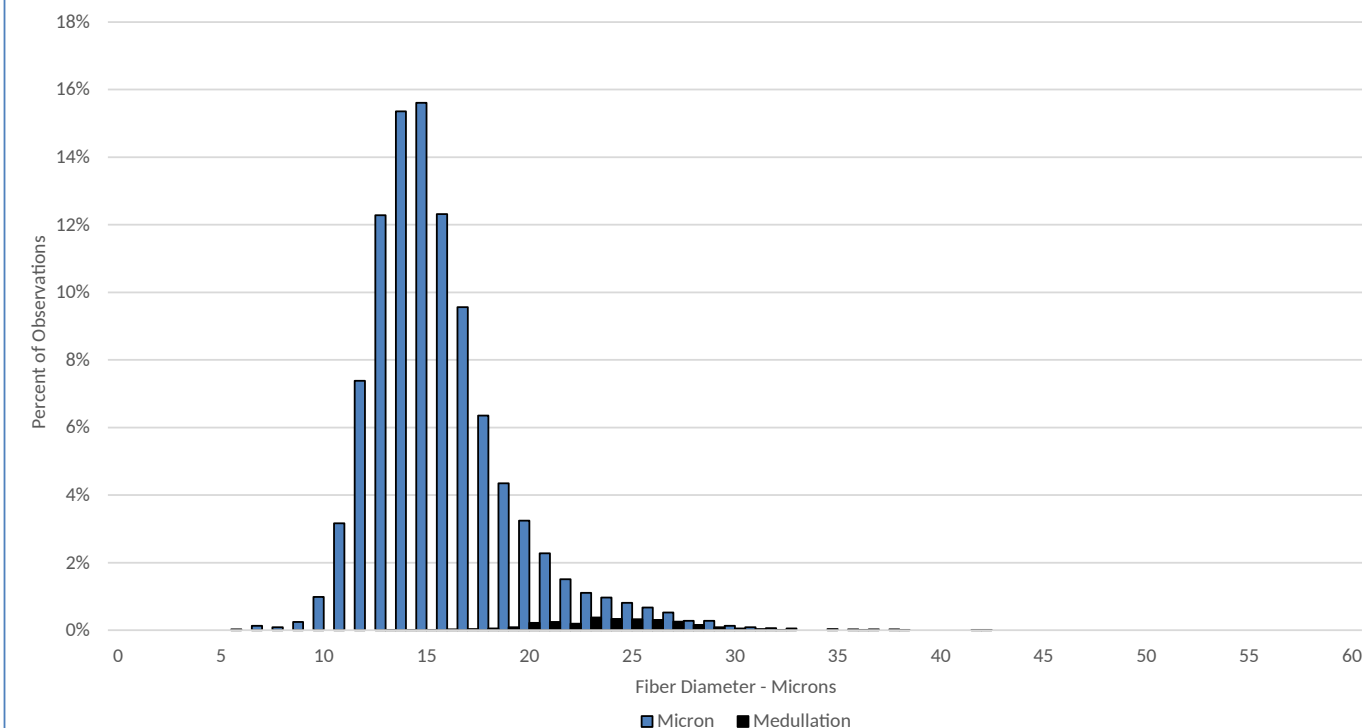
Animal Name: STIRLING RIDGE GWYNETH
Registry #: 36446933
Breed: Huacaya
Sex: Female
Colour: Light Fawn

Date of Birth (Age): 14-Sep-25
Sample Location: GRID
Sample Date: 3-Jun-26
Previous Shear Date: 14-Sep-25
Total Fleece Wt (lbs): 3.38

Laboratory Data

Mean Fiber Diameter: 15.8 microns
Standard Deviation: 3.5 microns
Coefficient of Variation: 22.1 %
Spin Fineness: 15.5 microns
Fibers Greater Than 30 microns: 0.3 %
Comfort Factor: 99.7 %

Mean Staple Length: 103 mm
Length Standard Deviation: 2.7 mm
Length Coefficient of Variation: 2.6 %
Mean Curvature: 47.6 deg/mm
SD Curvature: 37.3 deg/mm
Medullated Fibers: 2.9 %



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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