



Optical Fiber Diameter Analyser (OFDA100) Micron Test Report

Rare Gem Alpacas
30049 Stephanie St, Hemet
CA 92543, US

Date: 17-Sep-24
Shear ID: 270415
Test No: 621351

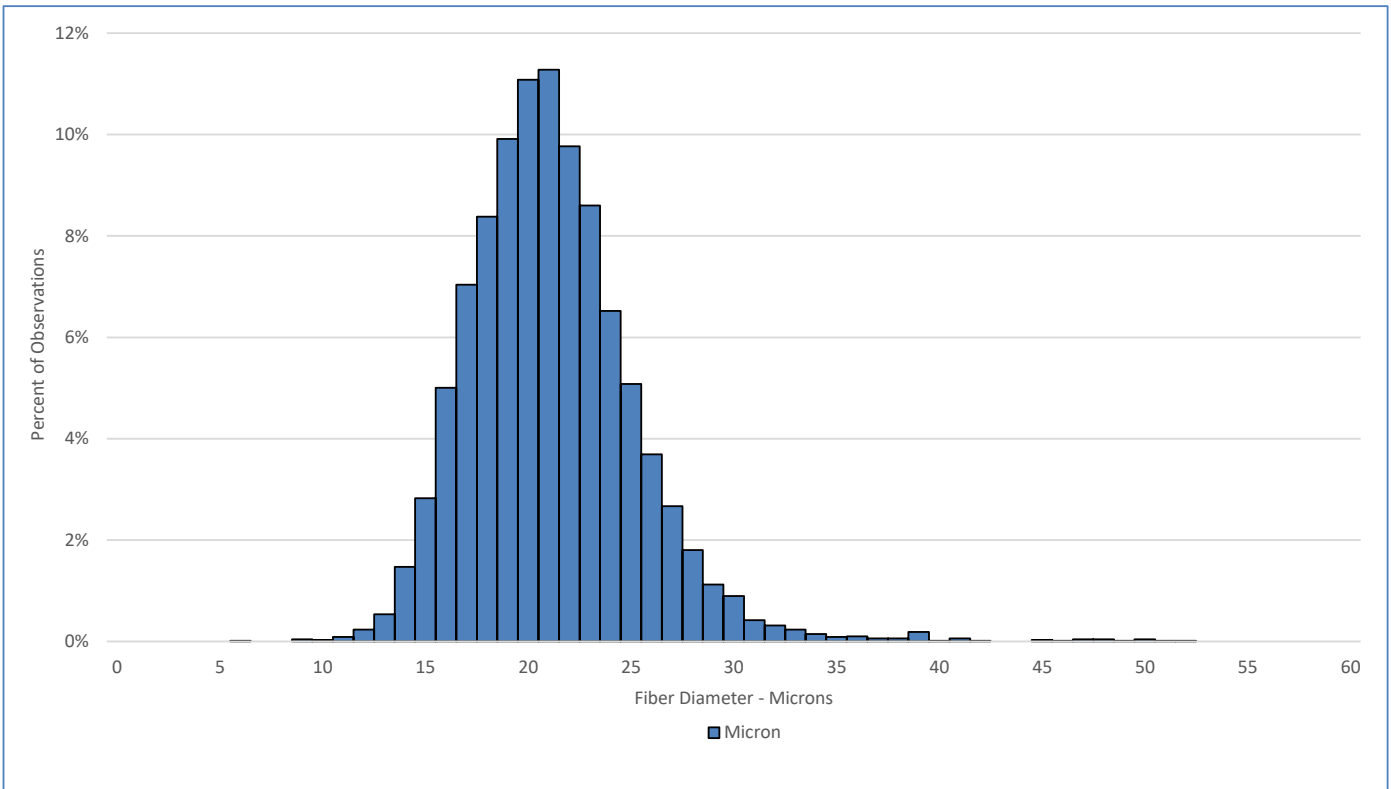
Animal and Sample Description

Animal Name: Rare Gem Apache's Free Spirit
Registry #: 36221691
Breed: Huacaya
Sex: Male
Colour: 404 - Dark Silver Grey

Date of Birth (Age): 10-Nov-22
Sample Location: GRID
Sample Date: 24-Apr-24
Previous Shear Date: 21-Apr-23
Total Fleece Wt (lbs): 6.5

Laboratory Data

Mean Fiber Diameter:	21.2 microns	Mean Staple Length:	103 mm
Standard Deviation:	4.2 microns	Length Standard Deviation:	0.5 mm
Coefficient of Variation:	20.0 %	Length Coefficient of Variation:	0.5 %
Spin Fineness:	20.4 microns	Mean Curvature:	49.7 deg/mm
Fibers Greater Than 30 microns:	1.9 %	SD Curvature:	36.6 deg/mm
Comfort Factor:	98.1 %		



Test Performed According to Method AS/NZS 4492.5:2000

Jeremy Wear
Business Manager

Ioasa Kosena
Authorised Signatory

[SGS General Terms and Conditions](#)

The validity of this document may be confirmed by contacting the address shown below

SGS NZ LTD - 48 Kemp Street, Kilmorie 6022, Wellington, New Zealand. Tel: 64-4-387 8565 Email: WoolOnline@sgs.com Web: www.wooltesting.sgs.com