



## Optical Fiber Diameter Analyser (OFDA100) Micron Test Report

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

Date: 10-May-23  
Shear ID: 246749  
Test No: 611482

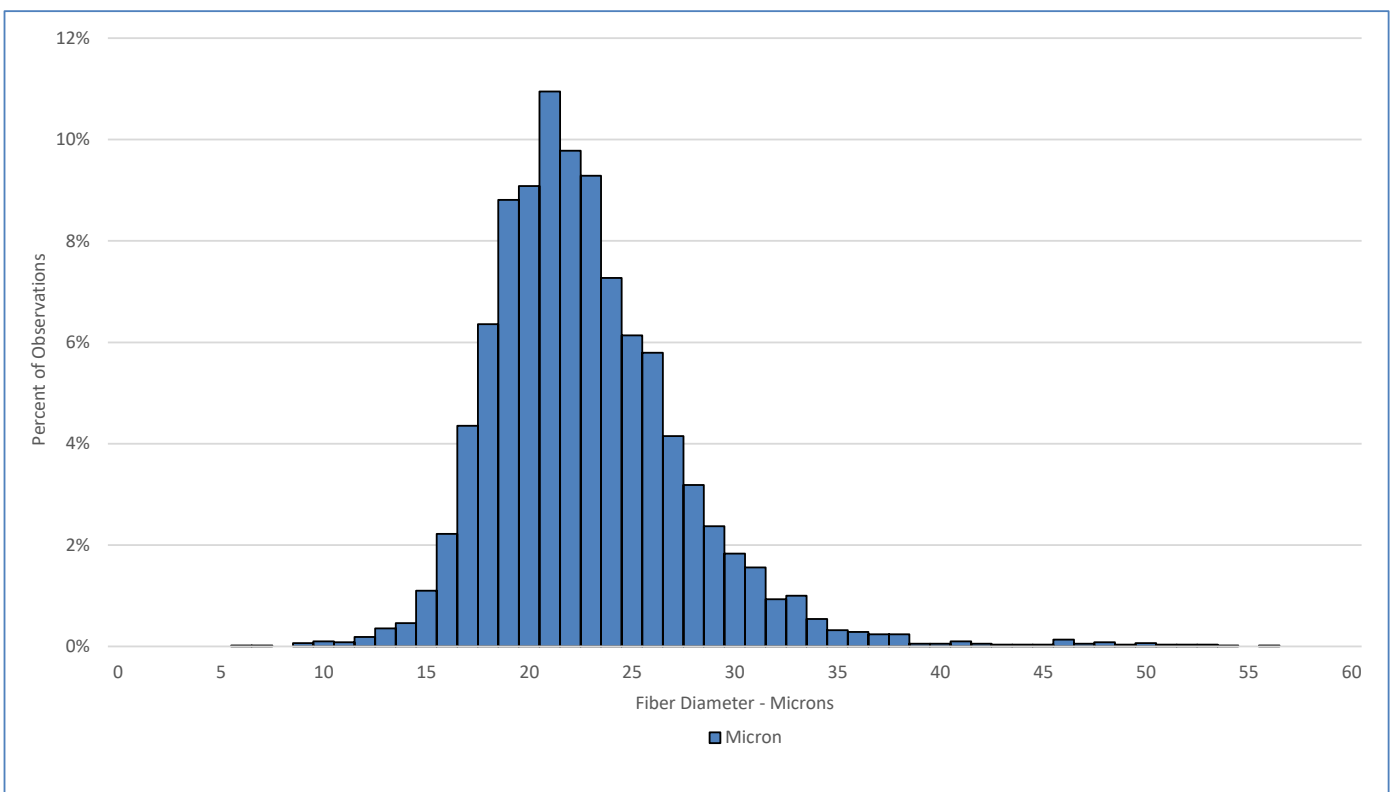
### Animal and Sample Description

Animal Name: Rare Gem Just Smitten  
Registry #: 36141067  
Breed: Huacaya  
Sex: Male  
Colour: 211 - Medium Rose Grey

Date of Birth (Age): 24-Nov-21  
Sample Location: GRID  
Sample Date: 21-Apr-23  
Previous Shear Date: 21-Apr-22  
Total Fleece Wt (lbs): 5.0

### Laboratory Data

Mean Fiber Diameter:	22.8 microns	Mean Staple Length:	102 mm
Standard Deviation:	4.9 microns	Length Standard Deviation:	1.9 mm
Coefficient of Variation:	21.6 %	Length Coefficient of Variation:	1.9 %
Spin Fineness:	22.3 microns	Mean Curvature:	47.7 deg/mm
Fibers Greater Than 30 microns:	6.0 %	SD Curvature:	22.4 deg/mm
Comfort Factor:	94.0 %		



### 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](mailto:WoolOnline@sgs.com) Web: [www.wooltesting.sgs.com](http://www.wooltesting.sgs.com)