Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

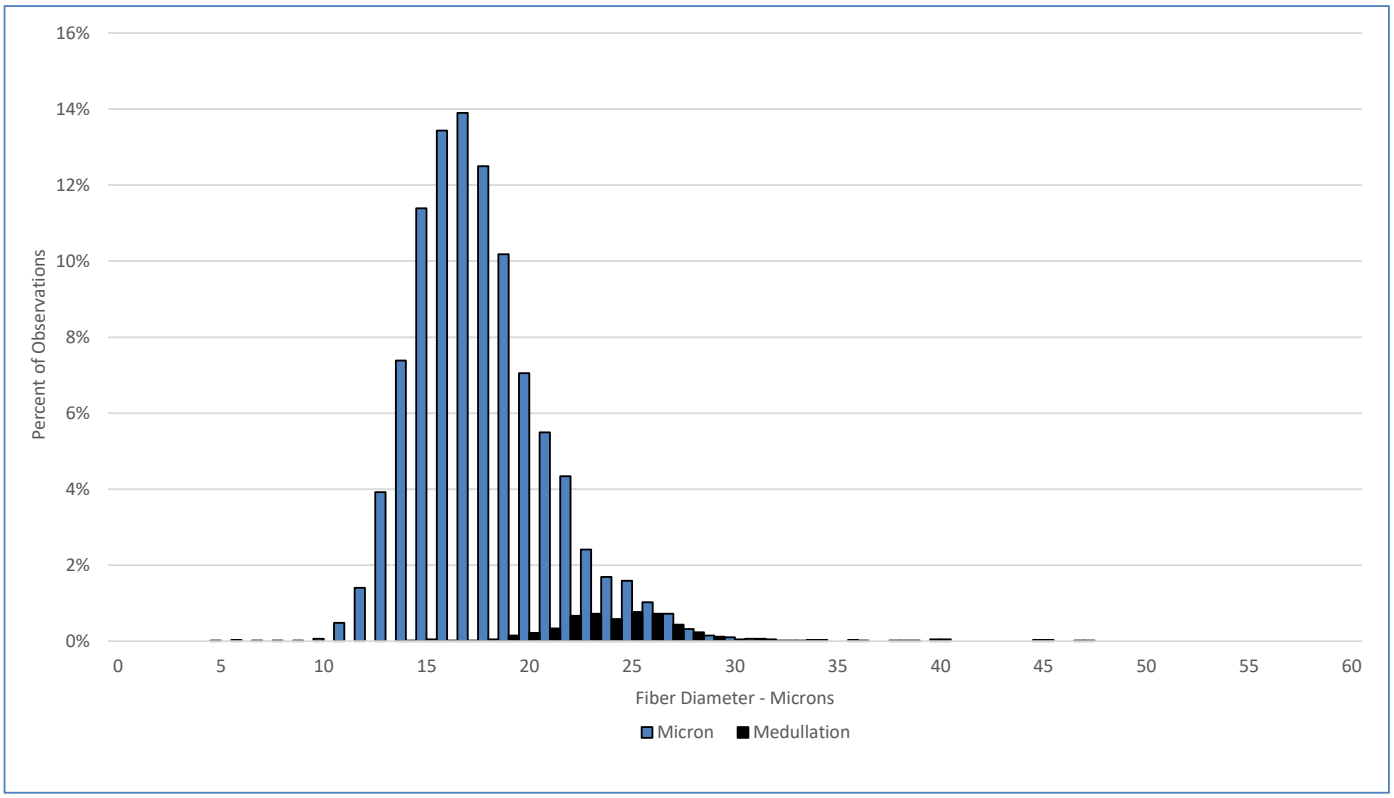
Mystic Reign Alpacas		Date:	19-Aug-26
6269 E Knights Way, Prescott Valley		Shear ID:	286537
AZ 86314, US		Test No:	627945

Animal and Sample Description

Animal Name:	ROCK IT 867-5309 JENNY	Date of Birth (Age):	15-Sep-25
Registry #:	36286331	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	2-May-26
Sex:	Female	Previous Shear Date:	
Colour:	100 - White	Total Fleece Wt (lbs):	4.10

Laboratory Data

Mean Fiber Diameter:	17.8 microns	Mean Staple Length:	103 mm
Standard Deviation:	3.4 microns	Length Standard Deviation:	0.8 mm
Coefficient of Variation:	19.0 %	Length Coefficient of Variation:	0.7 %
Spin Fineness:	17.0 microns	Mean Curvature:	54.4 deg/mm
Fibers Greater Than 30 microns:	0.3 %	SD Curvature:	35.7 deg/mm
Comfort Factor:	99.7 %	Medullated Fibers:	5.4 %



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

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, Kilbirnie 6022, Wellington, New Zealand. Tel: 64-4-387 8565 Email: WoolOnline@sgs.com Web: www.wooltesting.sgs.com