Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

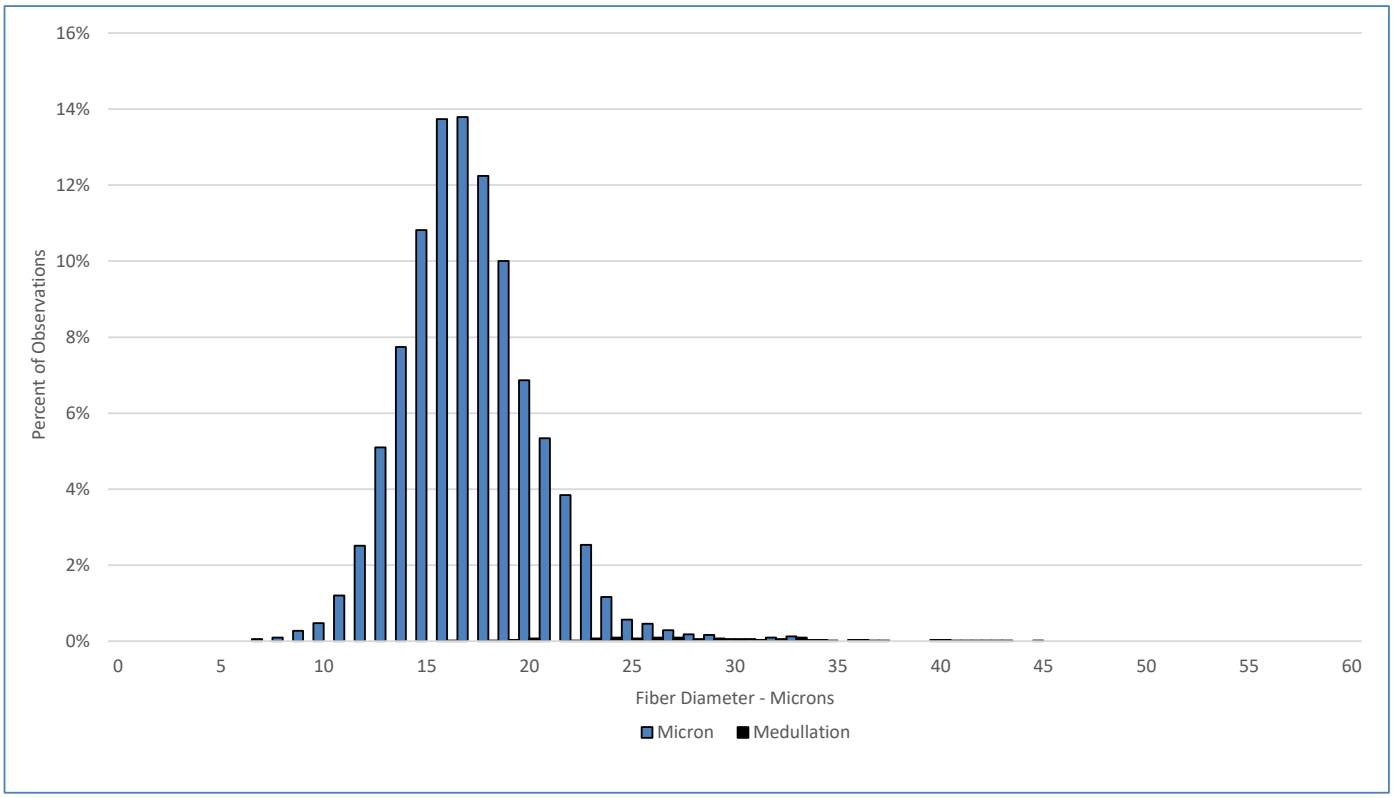
Sunny Alpacas		Date:	11-Sep-26
9200 Spooner Creek Ln, Blaine		Shear ID:	286808
WA 98230, US		Test No:	628692

Animal and Sample Description

Animal Name:	Sunny Sao Liam	Date of Birth (Age):	2-Jul-25
Registry #:	36393879	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	1-Jun-26
Sex:	Male	Previous Shear Date:	3-Aug-25
Colour:	100 - White	Total Fleece Wt (lbs):	5.4

Laboratory Data

Mean Fiber Diameter:	17.4 microns	Mean Staple Length:	90 mm
Standard Deviation:	3.4 microns	Length Standard Deviation:	0.4 mm
Coefficient of Variation:	19.6 %	Length Coefficient of Variation:	0.4 %
Spin Fineness:	16.7 microns	Mean Curvature:	54.9 deg/mm
Fibers Greater Than 30 microns:	0.5 %	SD Curvature:	39.9 deg/mm
Comfort Factor:	99.5 %	Medullated Fibers:	1.1 %



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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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