Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

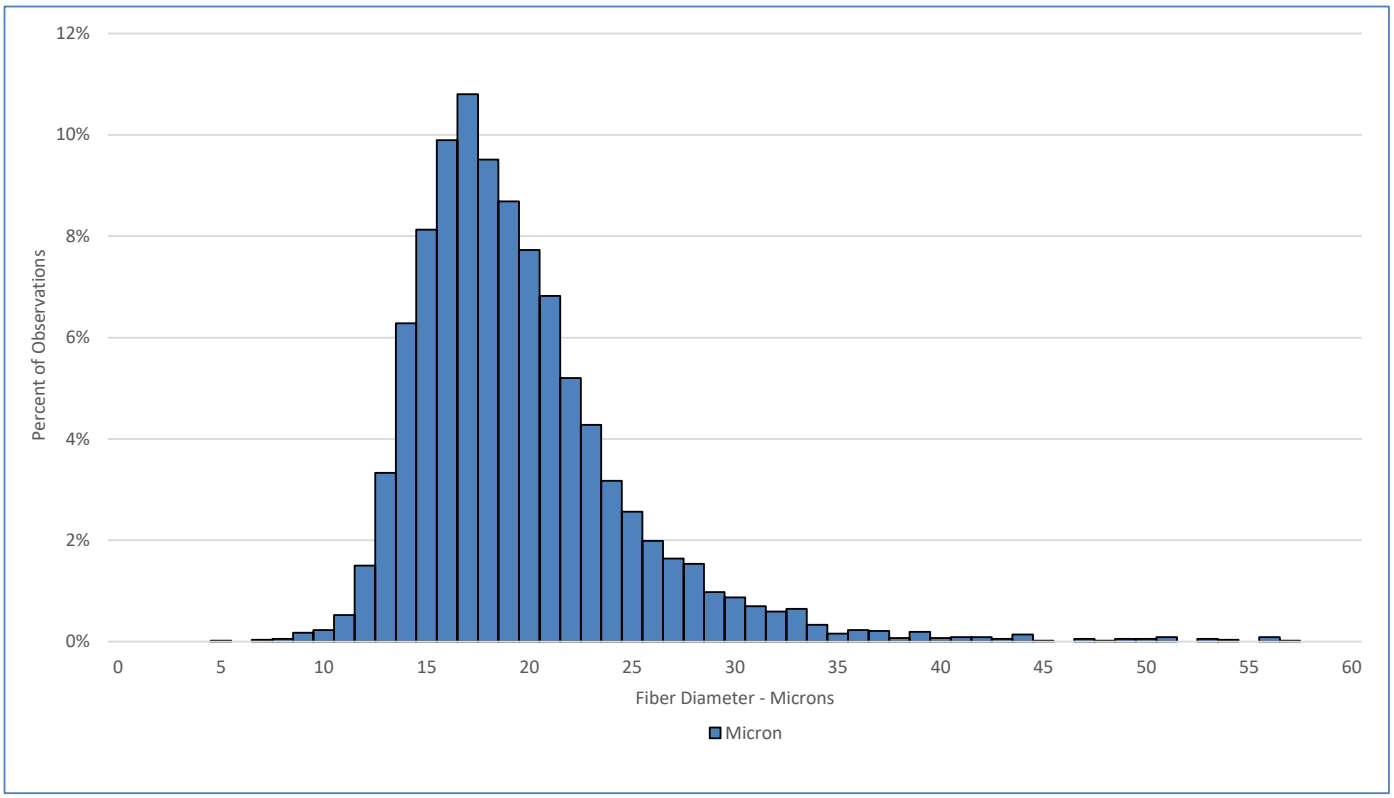
Sunny Alpacas		Date:	11-Sep-26
9200 Spooner Creek Ln, Blaine		Shear ID:	286806
WA 98230, US		Test No:	628690

Animal and Sample Description

Animal Name:	Sunny IKE Avatar	Date of Birth (Age):	1-Sep-25
Registry #:	36393756	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	1-Jun-26
Sex:	Male	Previous Shear Date:	1-Sep-25
Colour:	360 - Bay Black	Total Fleece Wt (lbs):	3.8

Laboratory Data

Mean Fiber Diameter:	19.5 microns	Mean Staple Length:	84 mm
Standard Deviation:	5.5 microns	Length Standard Deviation:	1.2 mm
Coefficient of Variation:	28.0 %	Length Coefficient of Variation:	1.4 %
Spin Fineness:	20.3 microns	Mean Curvature:	44.4 deg/mm
Fibers Greater Than 30 microns:	4.0 %	SD Curvature:	36.5 deg/mm
Comfort Factor:	96.0 %		



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