Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

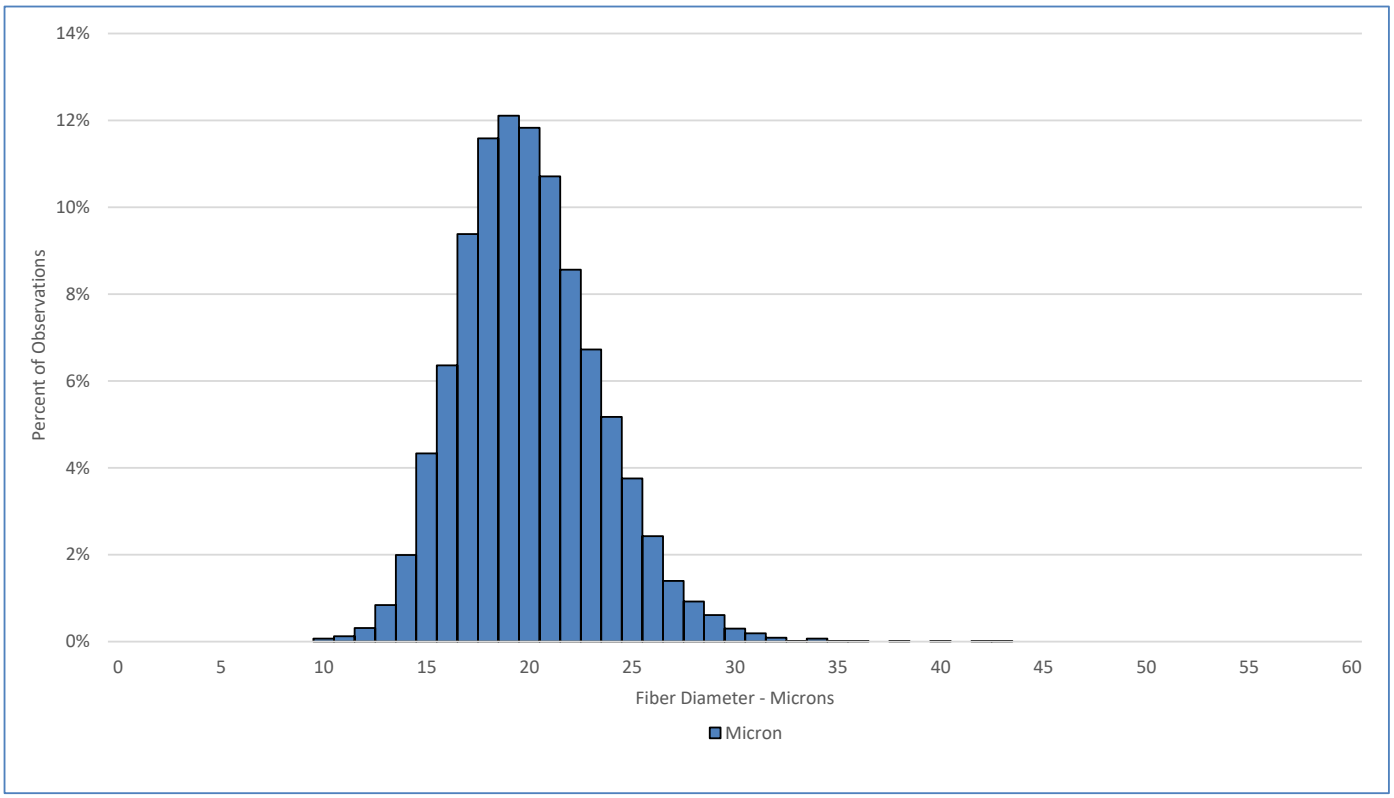
Spirit Falls Alpaca Ranch		Date:	21-Aug-26
72 Mcnichols Road, Cook		Shear ID:	283616
WA 98605, US		Test No:	628245

Animal and Sample Description

Animal Name:	HERITAGE ELIZA GRACE	Date of Birth (Age):	1-Aug-24
Registry #:	36316045	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	6-Apr-26
Sex:	Female	Previous Shear Date:	17-May-25
Colour:	Dark Fawn	Total Fleece Wt (lbs):	7.5

Laboratory Data

Mean Fiber Diameter:	20.0 microns	Mean Staple Length:	102 mm
Standard Deviation:	3.4 microns	Length Standard Deviation:	2.5 mm
Coefficient of Variation:	17.1 %	Length Coefficient of Variation:	2.5 %
Spin Fineness:	18.9 microns	Mean Curvature:	48.9 deg/mm
Fibers Greater Than 30 microns:	0.5 %	SD Curvature:	36.8 deg/mm
Comfort Factor:	99.5 %		



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