Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

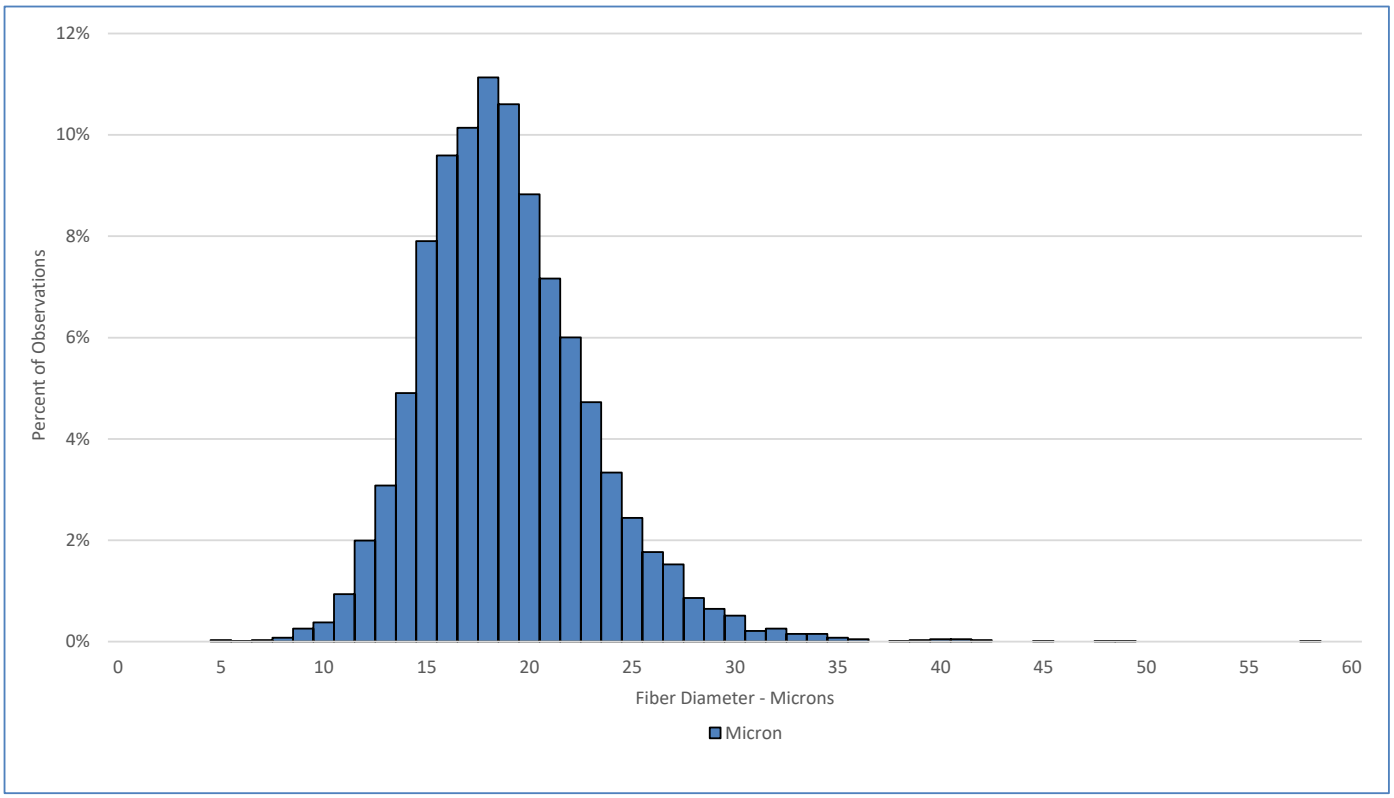
Arapaho Rose Alpacas		Date:	24-Jun-26
10702 Arapaho Dr, Redding		Shear ID:	279863
CA 96003, US		Test No:	627040

Animal and Sample Description

Animal Name:	RR CHOLITA by Tutankhamum	Date of Birth (Age):	19-Jul-23
Registry #:	35530497	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	25-Mar-25
Sex:	Female	Previous Shear Date:	28-Apr-25
Colour:	Fawn	Total Fleece Wt (lbs):	5.34

Laboratory Data

Mean Fiber Diameter:	18.9 microns	Mean Staple Length:	86 mm
Standard Deviation:	4.2 microns	Length Standard Deviation:	2.5 mm
Coefficient of Variation:	22.2 %	Length Coefficient of Variation:	3.0 %
Spin Fineness:	18.6 microns	Mean Curvature:	52.1 deg/mm
Fibers Greater Than 30 microns:	1.1 %	SD Curvature:	38.5 deg/mm
Comfort Factor:	98.9 %		



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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