# Optical Fiber Diameter Analyser (OFDA100)
# Micron Test Report

Maple Ridge Acres
101 Concession 11 East, Freelton
ON L8B 1H7, Canada

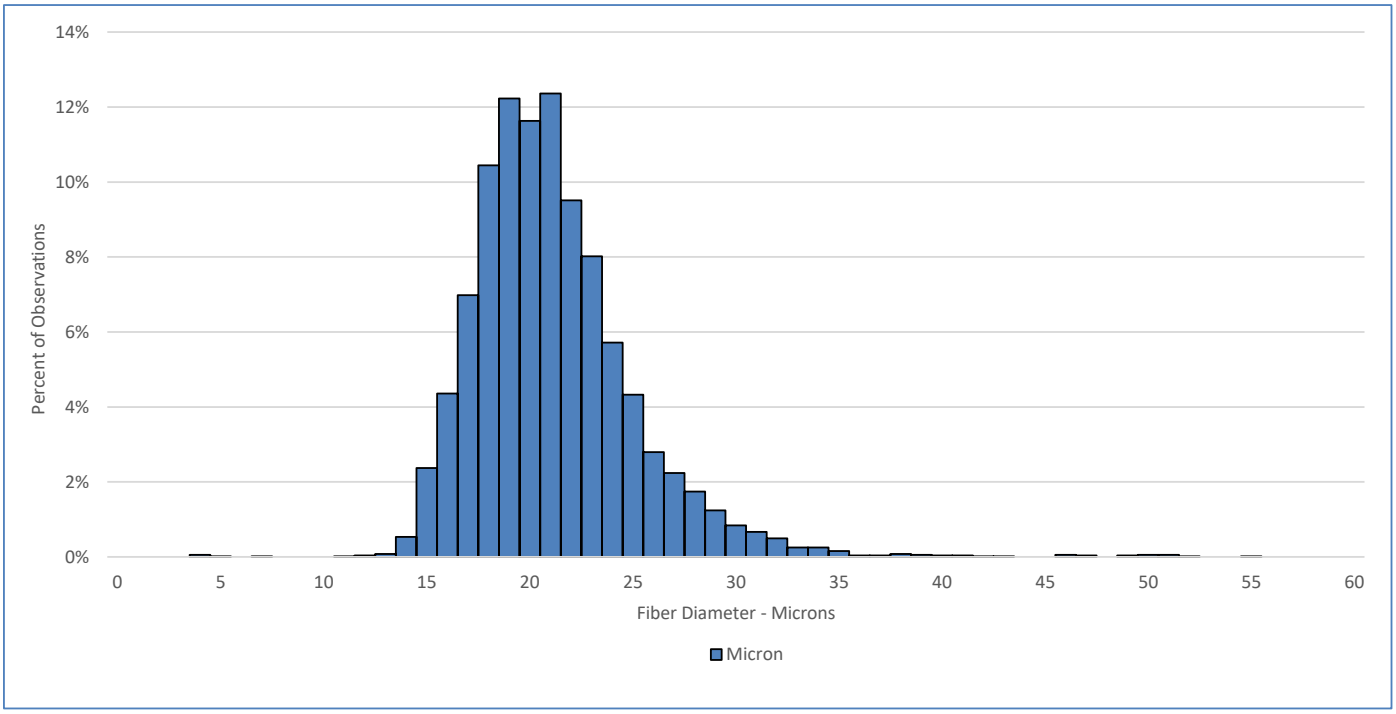
Date: 9-Jul-26
Shear ID: 282205
Test No: 627318

## Animal and Sample Description

| | | | |
|---|---|---|---|
| Animal Name: | Maple Ridge Cinnamon | Date of Birth (Age): | 1-Aug-25 |
| Registry #: | 36430284 | Sample Location: | GRID |
| Breed: | Huacaya | Sample Date: | 9-May-26 |
| Sex: | Female | Previous Shear Date: | 1-Aug-25 |
| Colour: | 301 - Medium Brown | Total Fleece Wt (lbs): | 4.9 |

## Laboratory Data

| | | | |
|---|---|---|---|
| Mean Fiber Diameter: | 21.1 microns | Mean Staple Length: | 139 mm |
| Standard Deviation: | 4.1 microns | Length Standard Deviation: | 2.8 mm |
| Coefficient of Variation: | 19.2 % | Length Coefficient of Variation: | 2.0 % |
| Spin Fineness: | 20.3 microns | Mean Curvature: | 46.6 deg/mm |
| Fibers Greater Than 30 microns: | 2.4 % | SD Curvature: | 34.2 deg/mm |
| Comfort Factor: | 97.6 % | | |




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