



Test Date - 23/10/2018

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Client

Ravenswood Alpacas
2272 Queens Pinch Rd
Mudgee NSW 2850

Date Sample Taken - 13/10/2018

Test No. RAV81019

Group ID. Full Group

Wool Growth - 12 months

Contact :- Micron Man

Our Phone (08)94181733
P.O. Box 1423
Bibra Lake W.A. 6965

Age at Sample Date - months

Eartag : **228833**

Micron Deviation : -6.7 μm
>30 : 1.2 %

Micron : 18.8 μm
SD : 4.0 μm
CV : 21.3 %
CE : 1.9 %
SF : 18.3 μm
CF : 98.8 %
CRV : 40.4 Deg/mm
SDC : 31.9 Deg/mm

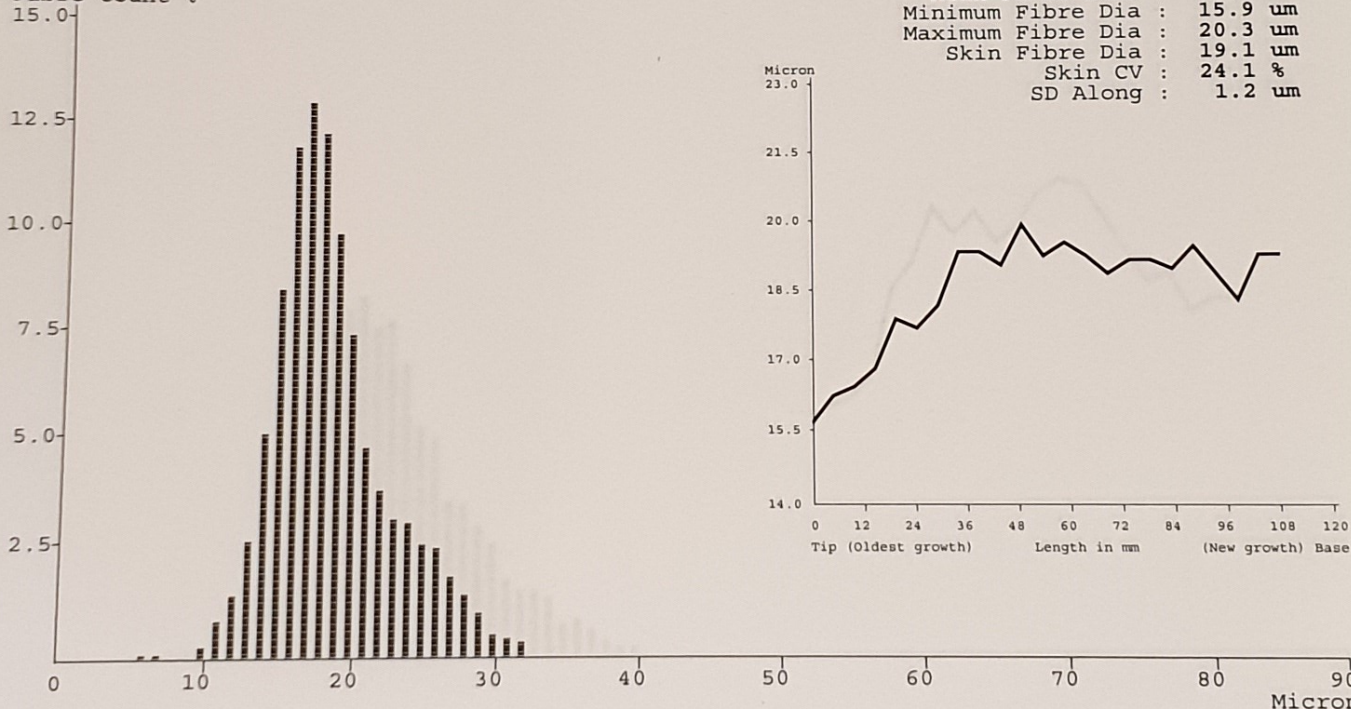
Total Fibres counted : 7279

OFDA2000 Alpaca Calibration : Trim High ON
GCF @ 20 μm : 0.6 μm

Micron Profile Graph

Staple Length : 110.0 mm
Finest Point From Tip : 0.0 mm
Mean Fibre Ends : 17.6 μm
Minimum Fibre Dia : 15.9 μm
Maximum Fibre Dia : 20.3 μm
Skin Fibre Dia : 19.1 μm
Skin CV : 24.1 %
SD Along : 1.2 μm

Fibre Count %

EXPLANATION OF TERMS

- FD : Overall average Fibre Diameter measured in micron (μm).
SD : Standard Deviation, measures the distance either side of the average fibre diameter where approx 2/3 of the fibre diameters lie.
CV : Coefficient of Variation = SD as a percentage of the average micron
CE : Coarse Edge. The percentage of fibres that lie over 10 microns greater than the average fibre diameter.
CF : Comfort Factor. The percentage of fibres less than 30 microns
SF : Spinning Fineness. Combine Micron & CV to a single number to represent the spinning quality expressed in microns
>30 : The percentage of fibres greater than 30 microns.
CRV : Fibre Curvature is the average curvature or bending over one millimetre length. It is related to crimp frequency and is measured in degrees per millimetre (Dg/mm).
SDC : Standard Deviation of Curvature is the variation of curvature for the above measurement. SDC is related to crimp definition and measured in degrees per millimetre (Dg/mm).
TRIM : If sample is tested with Trim High ON, then the result is trimmed to 4 SD's above average FD. If sample average FD=22 μm and SD=5 μm then Trim High ON = 22+20=44 μm . Measurement above 44 μm is removed. Trim High OFF means no coarse tail trimming on the sample tested that gives a closer result to other instruments
GCF : Grease Correction Factor is the FD adjustment needed when measuring greasy Alpaca fibre - @ 20 μm -0.6 μm = 19.4 μm