



Test Date - 23/10/2018

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MICRON MAN - ALPACA FIBRE ANALYSIS

Client
 Ravenswood Alpacas
 2272 Queens Pinch Rd
 Mudgee NSW 2850
 Group ID. Full Group

Date Sample Taken - 13/10/2018

Test No. RAV81019

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

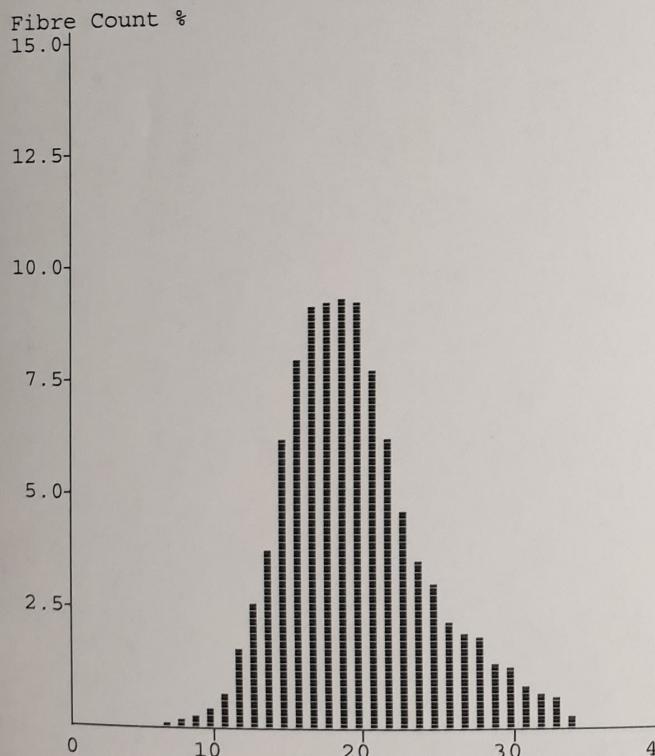
Eartag : 228837

Micron Deviation : -5.7 um
 >30 : 3.1 %

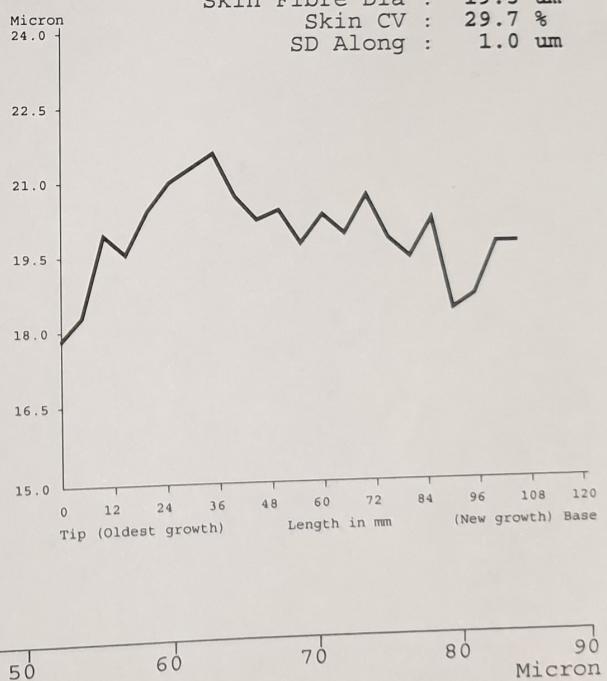
Total Fibres counted : 7028

Micron : 19.8 um
 SD : 4.6 um
 CV : 23.2 %
 CE : 3.3 %
 SF : 19.7 um
 CF : 96.9 %
 CRV : 36.6 Deg/mm
 SDC : 29.0 Deg/mm

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



Micron Profile Graph
 Staple Length : 105.0 mm
 Finest Point From Tip : 0.0 mm
 Mean Fibre Ends : 19.0 um
 Minimum Fibre Dia : 18.1 um
 Maximum Fibre Dia : 22.0 um
 Skin Fibre Dia : 19.5 um
 Skin CV : 29.7 %
 SD Along : 1.0 um



EXPLANATION OF TERMS

- FD : Overall average Fibre Diameter measured in micron (um).
- 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 (Deg/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 (Deg/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=22um and SD=5um then Trim High ON = 22+20=44um. Measurement above 44um 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 - @ 20um-0.6um = 19.4um