



Test Date - 23/10/2018

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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

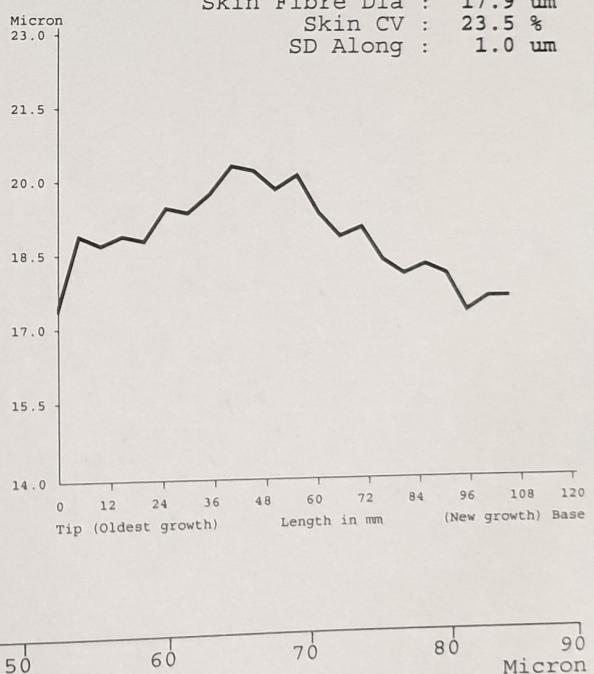
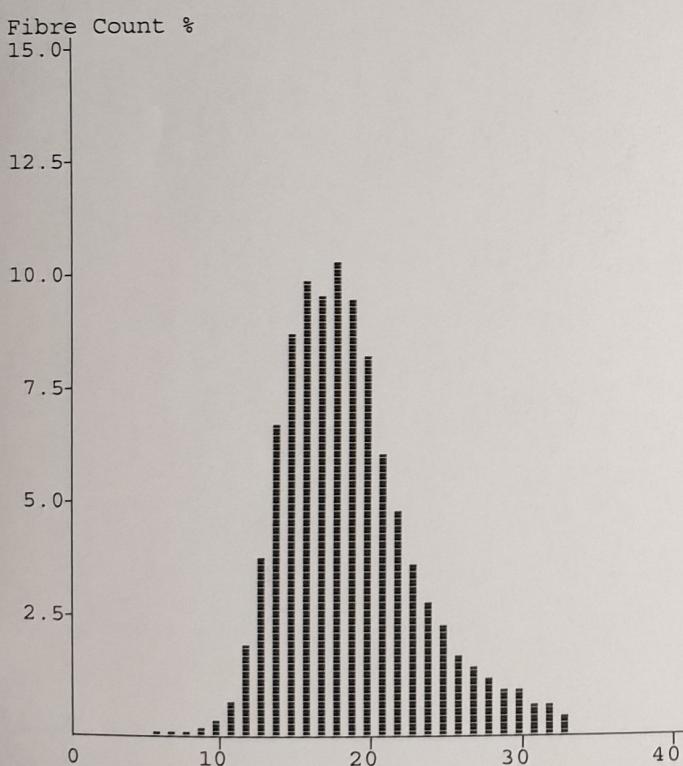
Eartag : 228836

Micron Deviation : -6.6 um  
 >30 : 2.5 %

Micron : 18.9 um  
 SD : 4.4 um  
 CV : 23.3 %  
 CE : 3.6 %  
 SF : 18.8 um  
 CF : 97.5 %  
 CRV : 43.4 Deg/mm  
 SDC : 31.3 Deg/mm

Total Fibres counted : 6410

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