



Test Date - 07/12/2020

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# MICRON MAN - ALPACA FIBRE ANALYSIS

**Client**

Wangurra Alpacas  
220 Schoolhouse Rd  
Woori Yallock VIC 3139

Date Sample Taken - 01/11/2020

Test No. SPH01204

**Contact :- Micron Mar**

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

Group ID. Full Group

Wool Growth - months

Age at Sample Date - months

Name : **VIENETTA**

IAR Number : **242116**  
Micron Deviation : **-6.6 mic**  
>30 : **0.0 %**

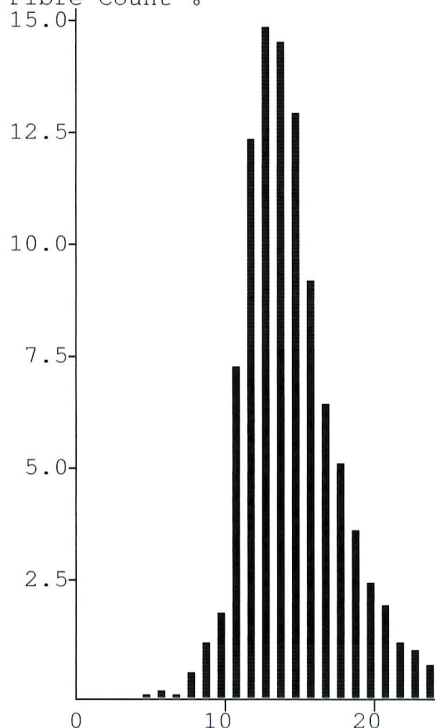
Micron : **14.7 mic**  
SD : **3.0 mic**  
CV : **20.4 %**  
CE : **0.3 %**  
SF : **14.2 mic**  
CF : **100.0 %**  
CRV : **42.0 Deg/mm**  
SDC : **37.4 Deg/mm**

Total Fibres counted : 1721

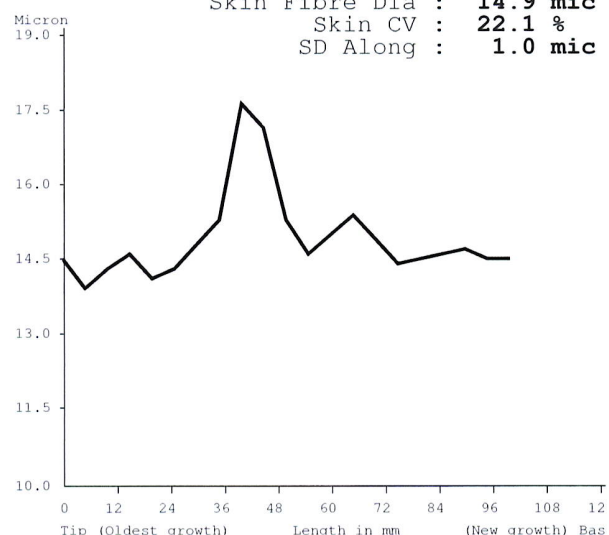
**OFDA2000 Alpaca Calibration : Trim High ON**  
**GCF @ 20 um : 0.6 um**

**Micron Profile Graph**

Fibre Count %



Staple Length : **100.0 mm**  
Finest Point From Tip : **5.0 mm**  
Mean Fibre Ends : **14.7 mic**  
Minimum Fibre Dia : **14.2 mic**  
Maximum Fibre Dia : **18.0 mic**  
Skin Fibre Dia : **14.9 mic**  
Skin CV : **22.1 %**  
SD Along : **1.0 mic**

**EXPLANATION OF TERMS**

- FD : Overall average Fibre Diameter measured in micron.  
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=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.