



MICRON MAN - ALPACA FIBRE ANALYSIS

Client

Manna-Gum Alpacas
PO Box 31
Marnoo VIC 3387

Date Sample Taken - 31/10/2017

Test No. MNN71117

Contact :- Micron Man

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 : **M6A-N0324MANNA-GFM**

IAR Number : 0004

Micron Deviation : -3.9 μm

>30 : 0.0 %

Micron : 16.5 μm SD : 4.2 μm

CV : 25.5 %

CE : 2.0 %

SF : 16.7 μm

CF : 100.0 %

CRV : 32.5 Deg/mm

SDC : 28.1 Deg/mm

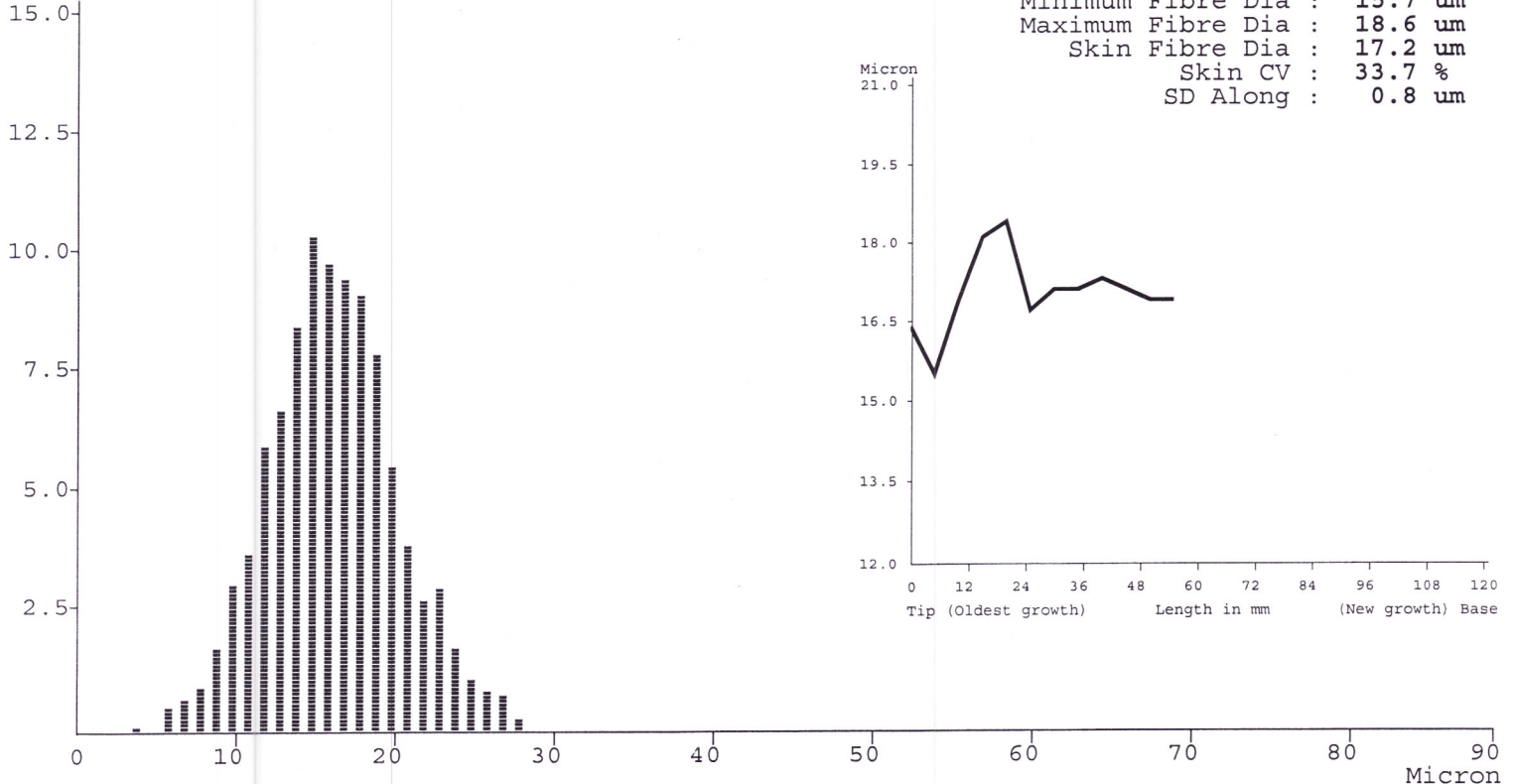
Total Fibres counted : 2177

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

Micron Profile Graph

Staple Length : 55.0 mm
Finest Point From Tip : 5.0 mm
Mean Fibre Ends : 16.7 μm
Minimum Fibre Dia : 15.7 μm
Maximum Fibre Dia : 18.6 μm
Skin Fibre Dia : 17.2 μm
Skin CV : 33.7 %
SD Along : 0.8 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