

## - ALPACA FIBRE ANALYSIS

Client

Jeneric Farms  
1511 Cawongla Road  
Larnook NSW 2480

Date Sample Taken - 12/12/2021

Test No. JNF11224

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 : **PRINCESS AURORA**

IAR Number : **250810**  
Micron Deviation : **-13.7 mic**  
>30 : **0.0 %**

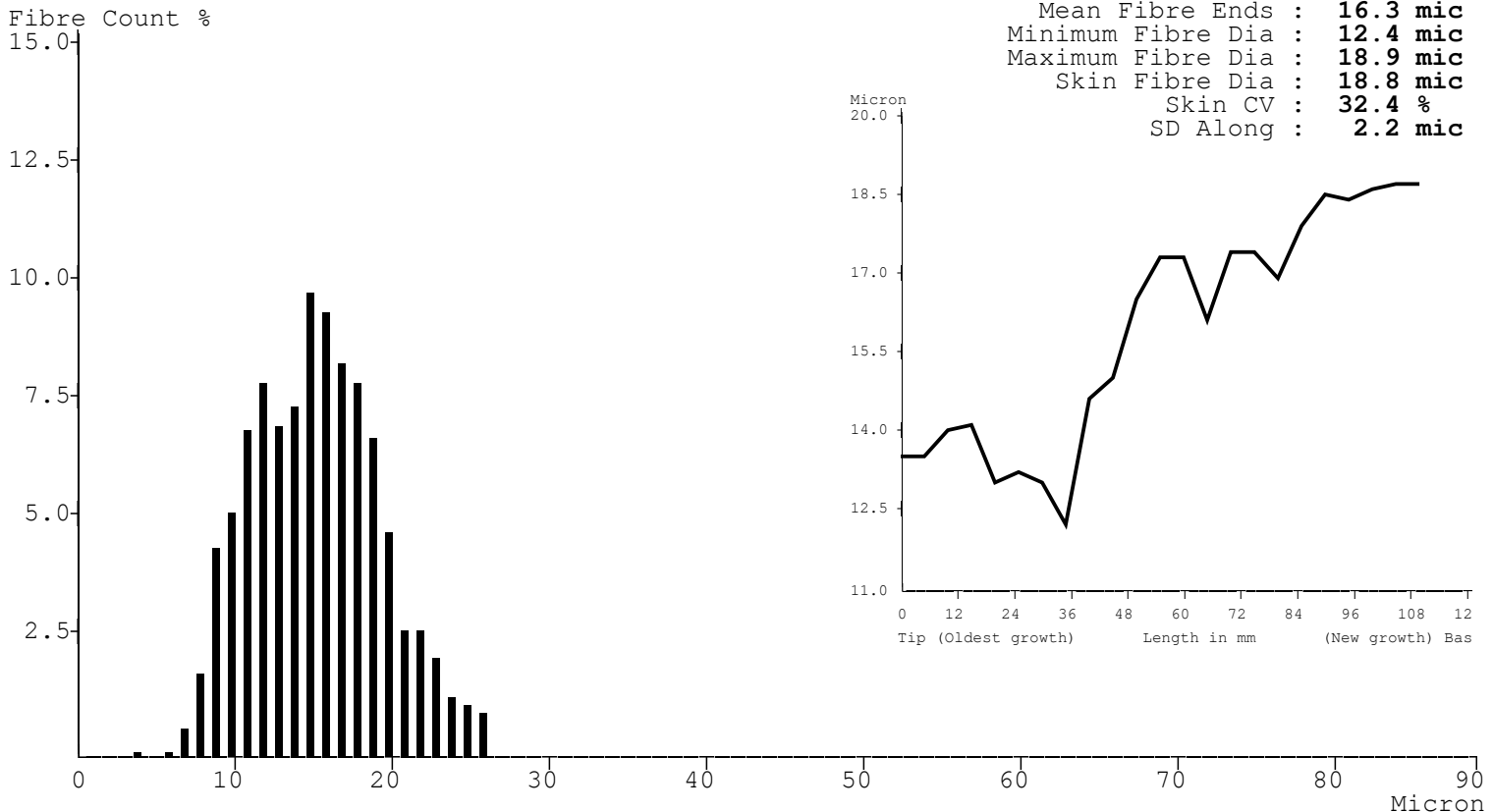
Micron : **15.5 mic**  
SD : **4.1 mic**  
CV : **26.5 %**  
CE : **1.4 %**  
SF : **15.9 mic**  
CF : **100.0 %**  
CRV : **27.6 Deg/mm**  
SDC : **29.8 Deg/mm**

Total Fibres counted : 3184

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

**Micron Profile Graph**

Staple Length : **110.0 mm**  
Finest Point From Tip : **35.0 mm**  
Mean Fibre Ends : **16.3 mic**  
Minimum Fibre Dia : **12.4 mic**  
Maximum Fibre Dia : **18.9 mic**  
Skin Fibre Dia : **18.8 mic**  
Skin CV : **32.4 %**  
SD Along : **2.2 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.

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Name : **ULTIMATE WICCA**

IAR Number : **176576**  
Micron Deviation : **+5.5 mic**  
>30 : **64.9 %**

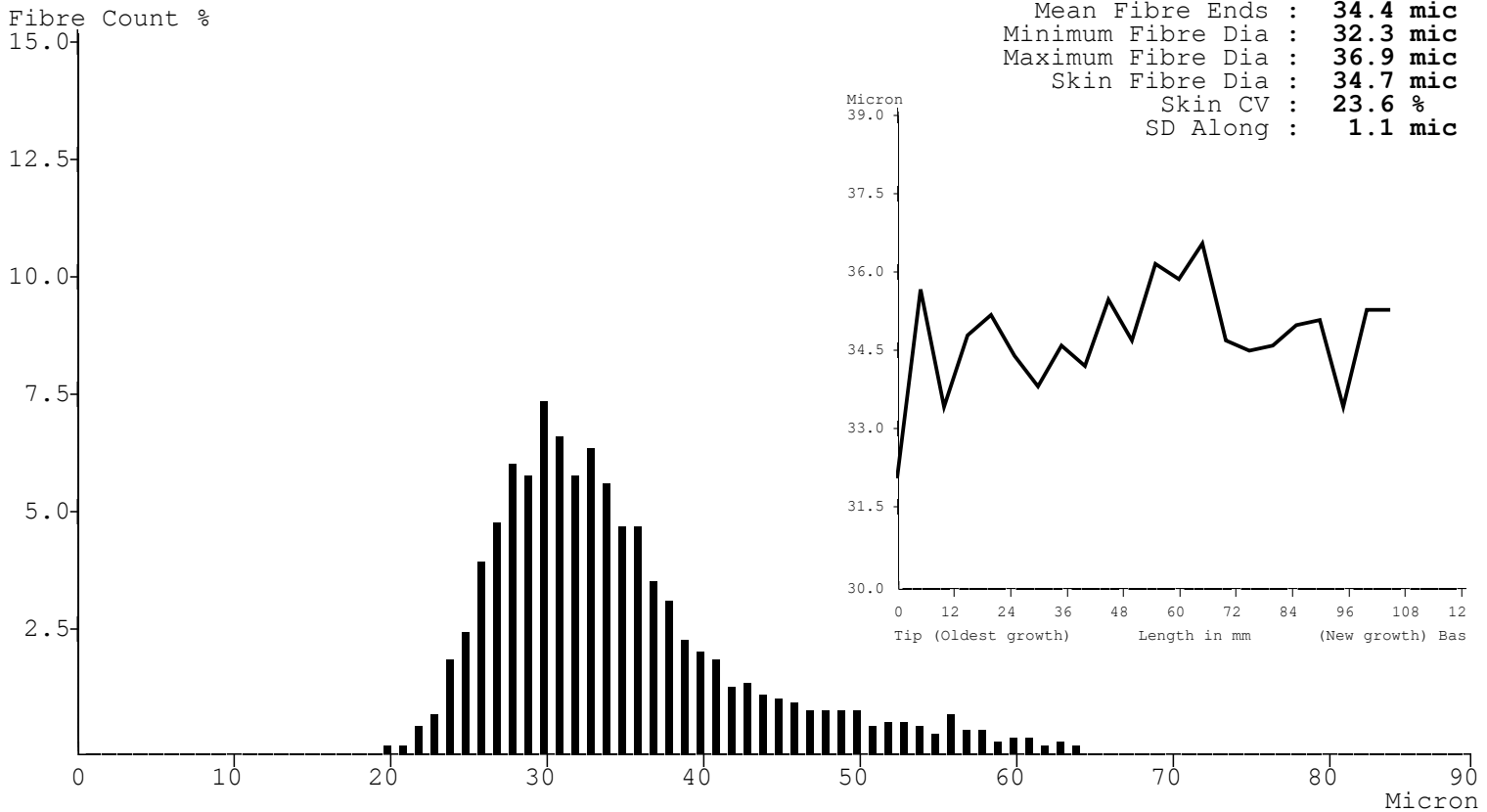
Micron : **34.7 mic**  
SD : **8.3 mic**  
CV : **23.9 %**  
CE : **11.7 %**  
SF : **34.7 mic**  
CF : **35.1 %**  
CRV : **9.5 Deg/mm**  
SDC : **10.1 Deg/mm**

Total Fibres counted : 5225

**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 : **34.4 mic**  
Minimum Fibre Dia : **32.3 mic**  
Maximum Fibre Dia : **36.9 mic**  
Skin Fibre Dia : **34.7 mic**  
Skin CV : **23.6 %**  
SD Along : **1.1 mic**



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Name : **WISHLIST**

IAR Number : **129882**  
Micron Deviation : **+10.9 mic**  
>30 : **86.6 %**

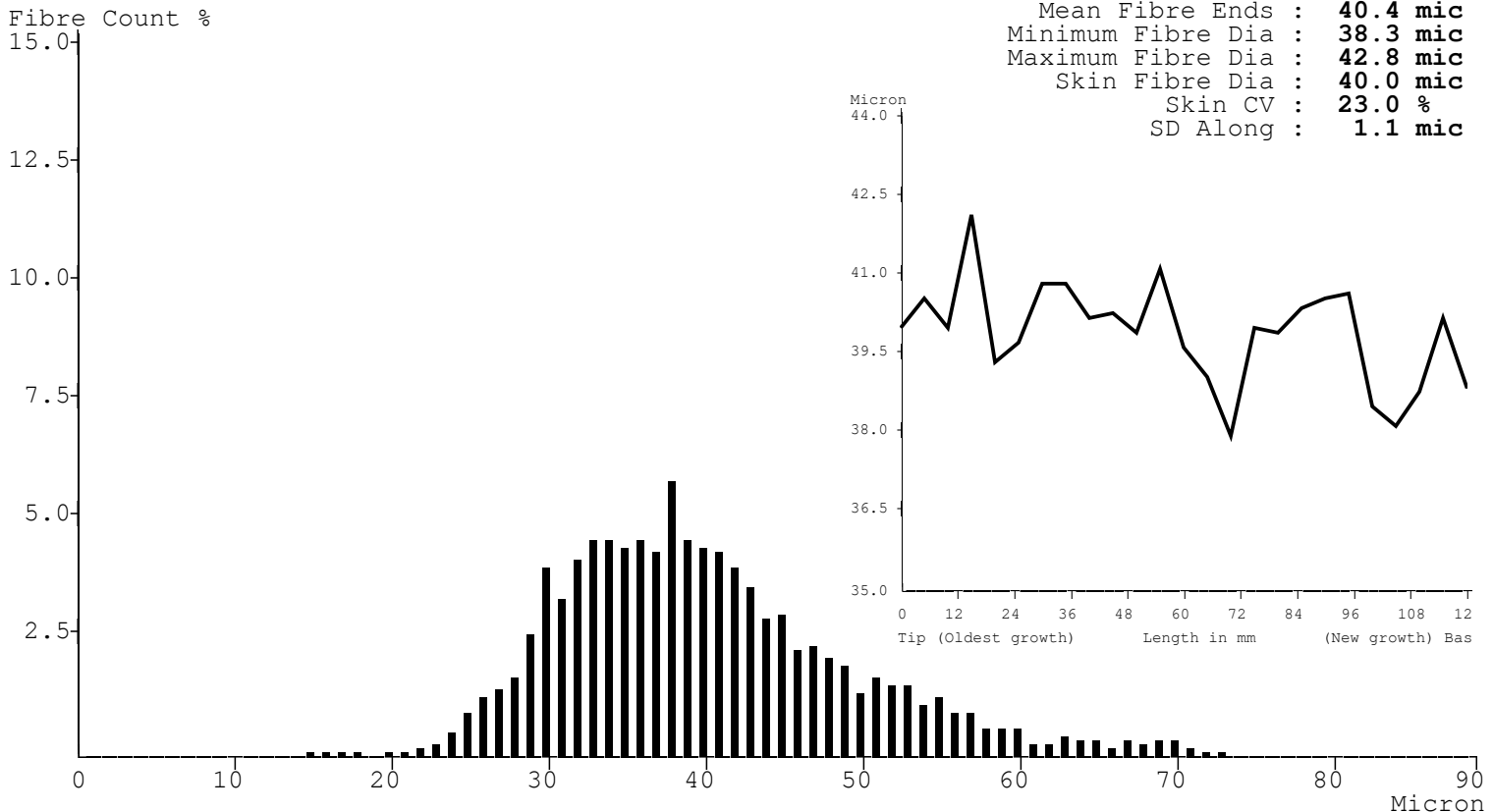
Micron : **40.1 mic**  
SD : **9.4 mic**  
CV : **23.4 %**  
CE : **13.9 %**  
SF : **39.9 mic**  
CF : **13.4 %**  
CRV : **11.3 Deg/mm**  
SDC : **13.4 Deg/mm**

Total Fibres counted : 3443

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

**Micron Profile Graph**

Staple Length : **125.0 mm**  
Finest Point From Tip : **70.0 mm**  
Mean Fibre Ends : **40.4 mic**  
Minimum Fibre Dia : **38.3 mic**  
Maximum Fibre Dia : **42.8 mic**  
Skin Fibre Dia : **40.0 mic**  
Skin CV : **23.0 %**  
SD Along : **1.1 mic**



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Name : **WYONAMOCN ARABICA**

IAR Number : **158725**  
Micron Deviation : **-2.8 mic**  
>30 : **19.4 %**

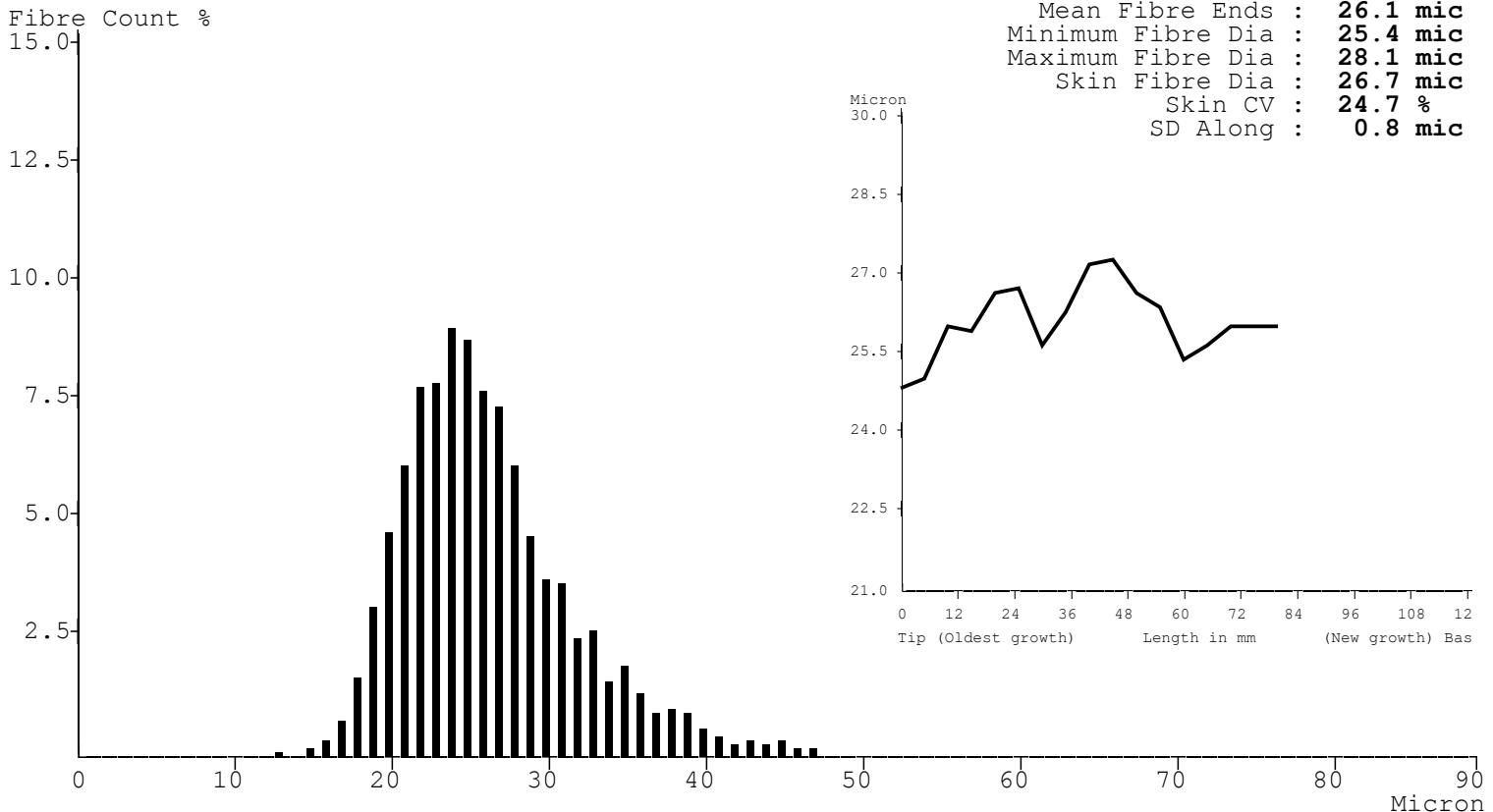
Micron : **26.4 mic**  
SD : **5.5 mic**  
CV : **20.8 %**  
CE : **5.3 %**  
SF : **25.7 mic**  
CF : **80.6 %**  
CRV : **15.5 Deg/mm**  
SDC : **17.5 Deg/mm**

Total Fibres counted : 3283

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

**Micron Profile Graph**

Staple Length : **80.0 mm**  
Finest Point From Tip : **0.0 mm**  
Mean Fibre Ends : **26.1 mic**  
Minimum Fibre Dia : **25.4 mic**  
Maximum Fibre Dia : **28.1 mic**  
Skin Fibre Dia : **26.7 mic**  
Skin CV : **24.7 %**  
SD Along : **0.8 mic**



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