



Alpaca Consulting Services USA

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Skin Biopsy Report

The ORIGINAL 100% Alpaca Density Test™

Date of test: 22 June 2010

Alpaca Name: Camilla

Owner name and address: Powers Alpacas
Colorado

Alpaca breed: Huacaya

Alpaca age: 19 months

Alpaca color: White

Alpaca sex: Female

Data details:

Density: 50.2 /mm²

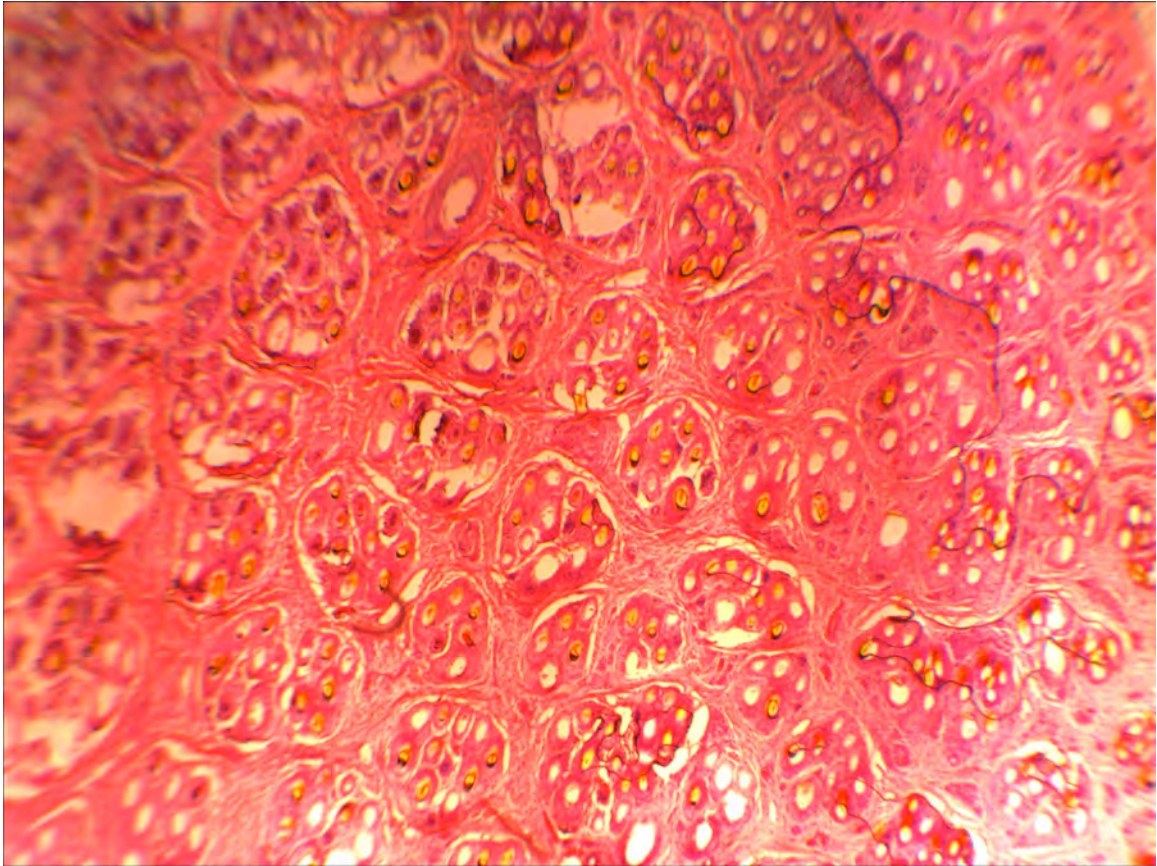
Secondary:Primary fiber ratio: 9.6 :1

In-skin mean primary fiber diameter: 29.9 μ Standard Deviation: 4.5 μ Range: 23.5 μ to 41.3 μ

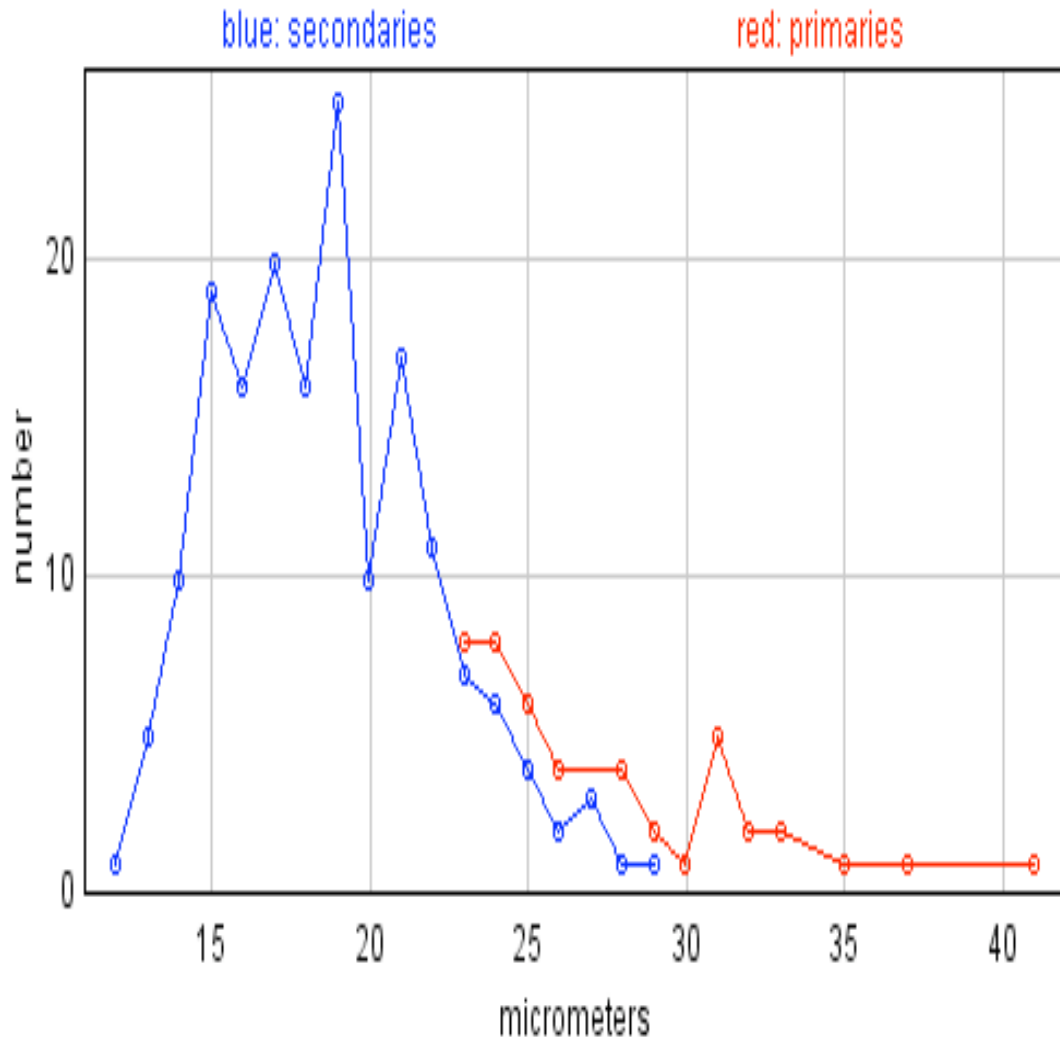
In-skin mean secondary fiber diameter: 18.7 μ Standard Deviation: 3.5 μ Range: 12.4 μ to 28.7 μ

Average Daily Fleece Growth: see OFDA 2000 report supplied separately

Sample biopsy photograph:



Fiber population histogram:



Comments:

The excellent density and very good S:P identify this female as a superior alpaca.

These two essential traits are well supported by a quality secondary fiber population whilst the primary population lags a little behind due to the higher SD for that population.

Care must be taken with the sire selection to cover this alpaca as his genetics will need to be very good to improve this animal

The results of this test are from a minimum 500 follicle count of a biopsy provided by the owner and processed by a national histology laboratory operating in California, USA, read through both a specifically adapted imaging program and laboratory operator, with the data moderated to account for shrinkage in the processing of the biopsy.