



Alpaca Consulting Services USA

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Skin Biopsy Report

The ORIGINAL 100% Alpaca Density Test™

Date of test: 23 January 2010

Alpaca Name: GM's Juniper

Owner name and address: Powers Alpacas
Wellington CO

Alpaca breed: Huacaya

Alpaca age: 25 months

Alpaca color: White

Alpaca sex: Female

Data details:

Density: 37.3 /mm²

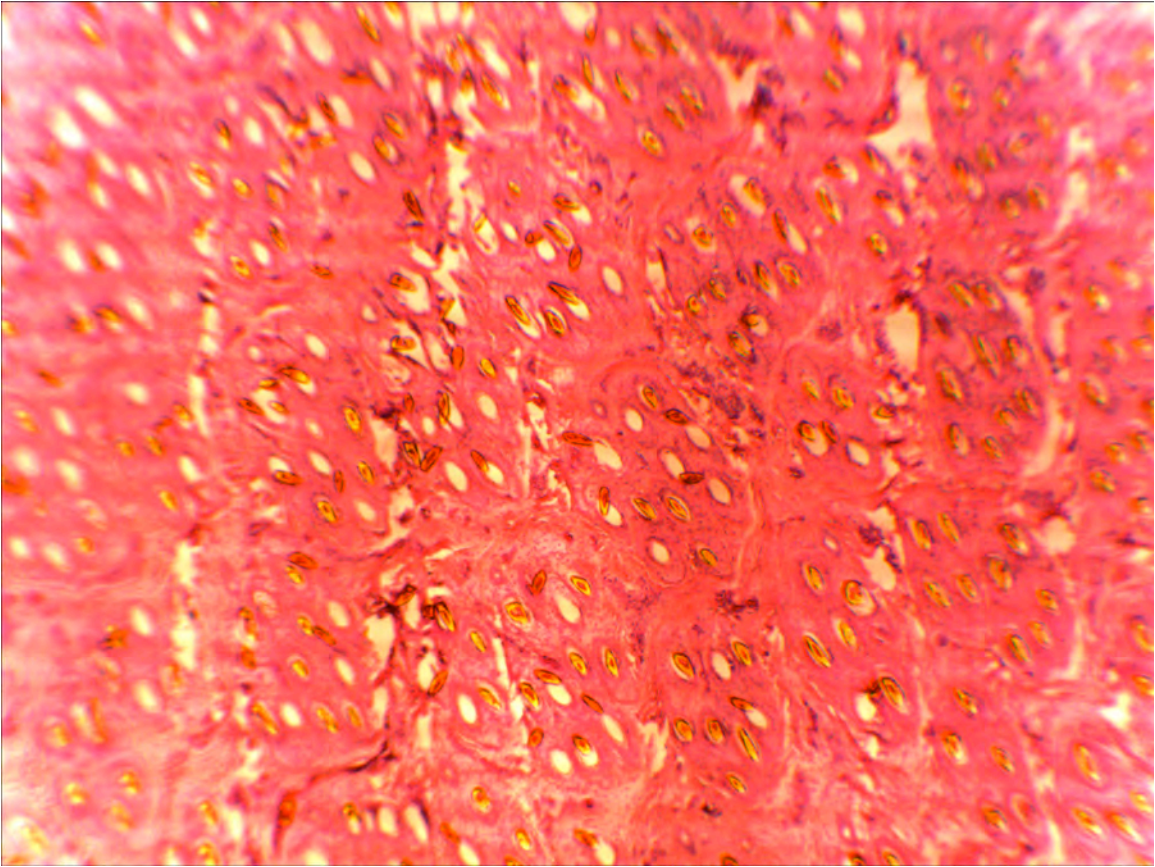
Secondary:Primary fiber ratio: 8.9 :1

In-skin mean primary fiber diameter: 24.3μ Standard Deviation: 4.25 μ Range: 16.8 μ to 37.8 μ

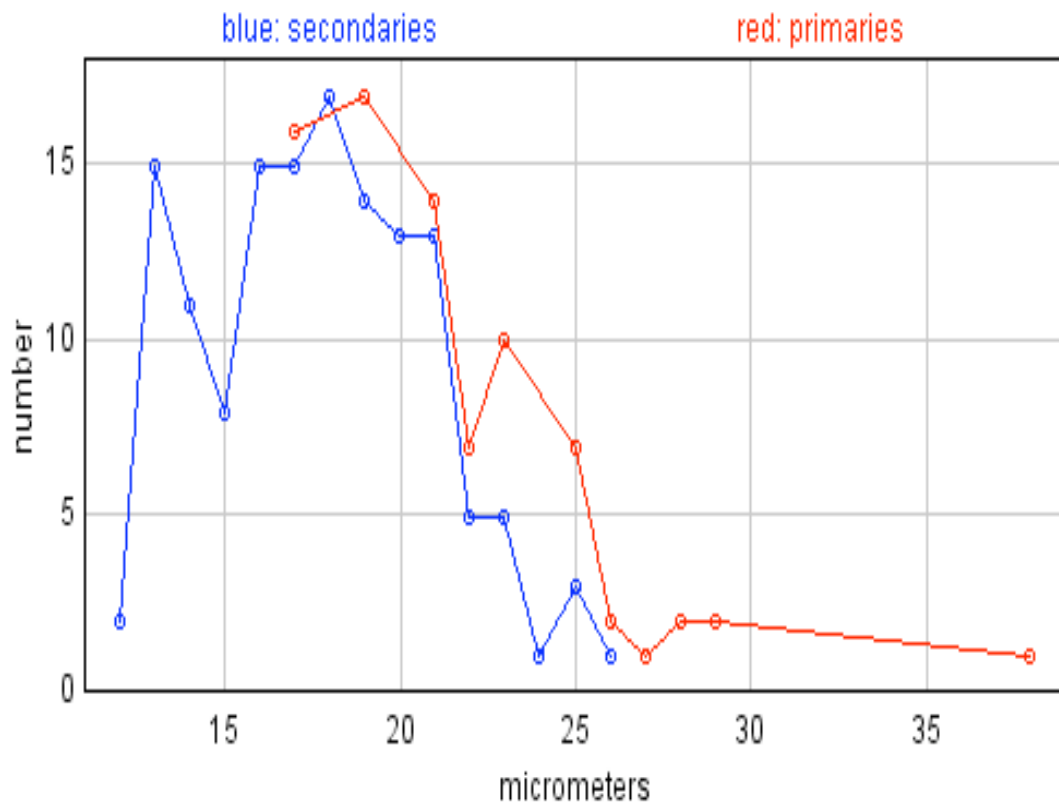
In-skin mean secondary fiber diameter: 17.7 μ Standard Deviation: 3.1μ Range: 12.1 μ to 25.8 μ

Average Daily Fleece Growth: see OFDA 2000 report supplied separately

Sample biopsy photograph:



Fiber population histogram:



Comments:

The photograph illustrates the moderate density of this alpaca together with the wide variation of fiber diameters within both the fiber populations though the fiber population differential, on averages, is very good.

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.

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