



Alpaca Consulting Services USA

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Skin Biopsy Report

The ORIGINAL 100% Alpaca Density Test™

Date of test: 15 May 2011

Alpaca Name: Yazmine

Owner name and address: Powers Alpacas
Wellington CO

Alpaca breed: Huacaya

Alpaca age: 18 months

Alpaca color: White

Alpaca sex: Female

Data details:

Density: 43.3 /mm²

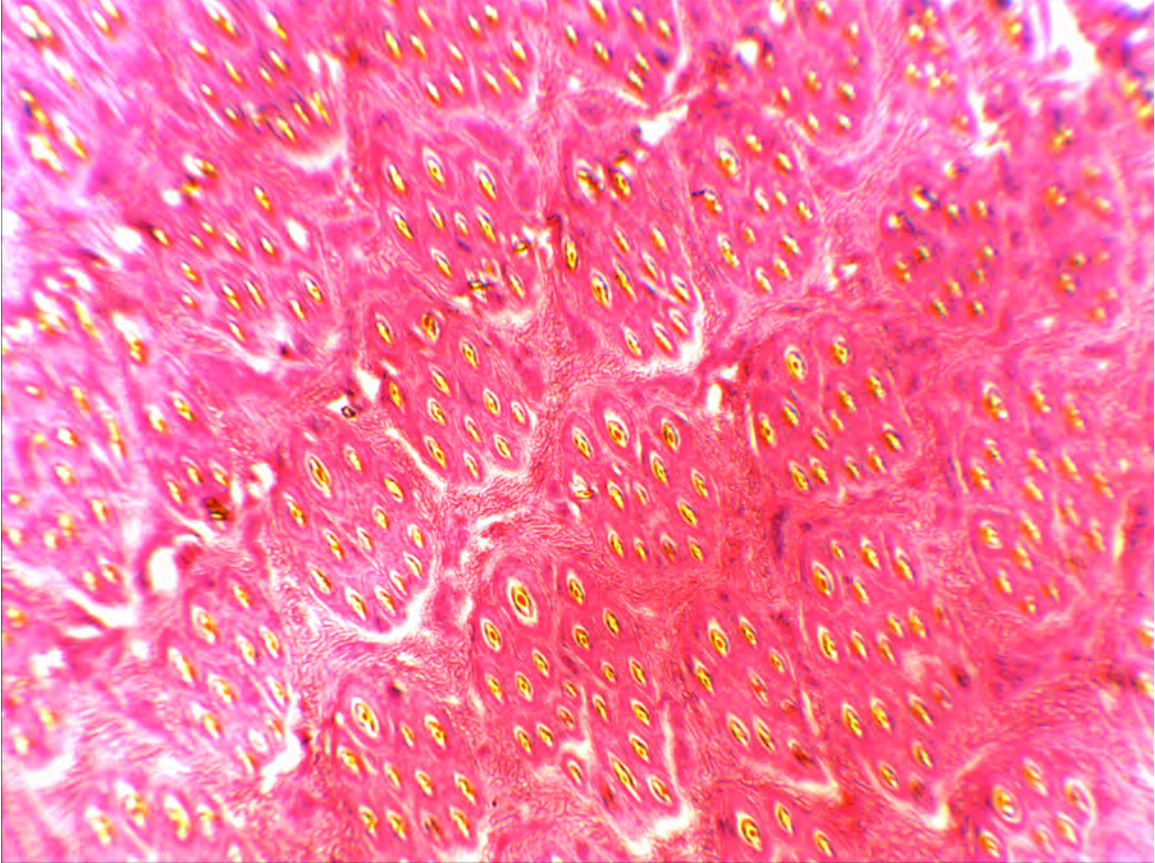
Secondary:Primary fiber ratio: 8.2 :1

In-skin mean primary fiber diameter: 26.6μ Standard Deviation: 3.6 μ Range: 19.5 μ to 32.9 μ

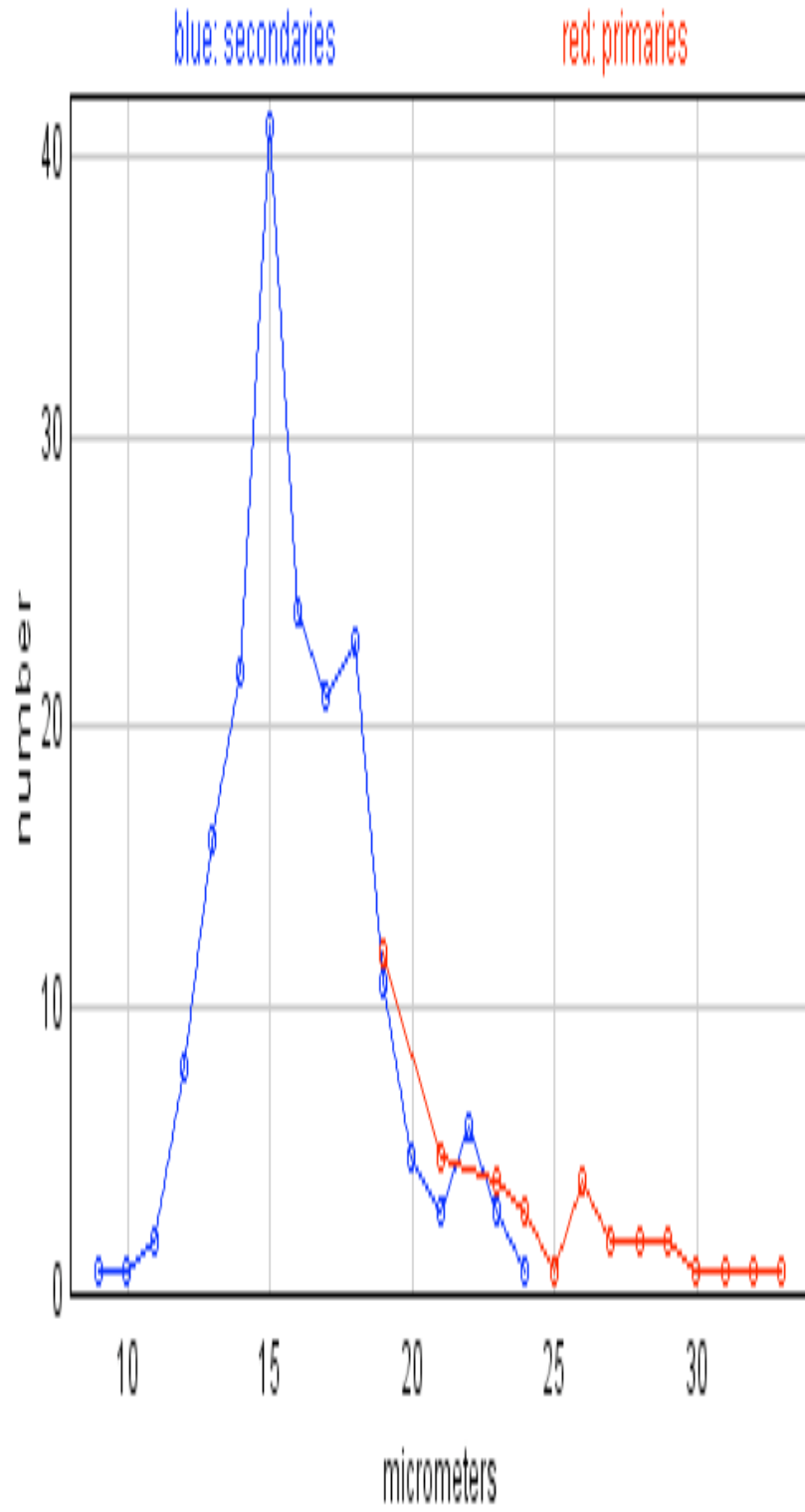
In-skin mean secondary fiber diameter: 16.1 μ Standard Deviation: 2.7 μ Range: 8.9 μ to 24.0 μ

Average Daily Fleece Growth: see OFDA 2000 report supplied separately

Sample biopsy photograph:



Fiber population histogram:



Comments:

The relatively low S:P ratio has led to the moderate density of this female although the the SD of the secondary fiber population, in particular, is excellent.

A denser male with a 10:1 S:P or higher would add quality density to this well above average huacaya female alpaca.

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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