



Alpaca Consulting Services USA

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Skin Biopsy Report

The ORIGINAL 100% Alpaca Density Test™

Date of test: 13 May 2011

Alpaca Name: Goddess

Owner name and address: Powers Alpacas
Wellington CO

Alpaca breed: Huacaya

Alpaca age: 30 months

Alpaca color: Beige

Alpaca sex: Female

Data details:

Density: 48.8 /mm²

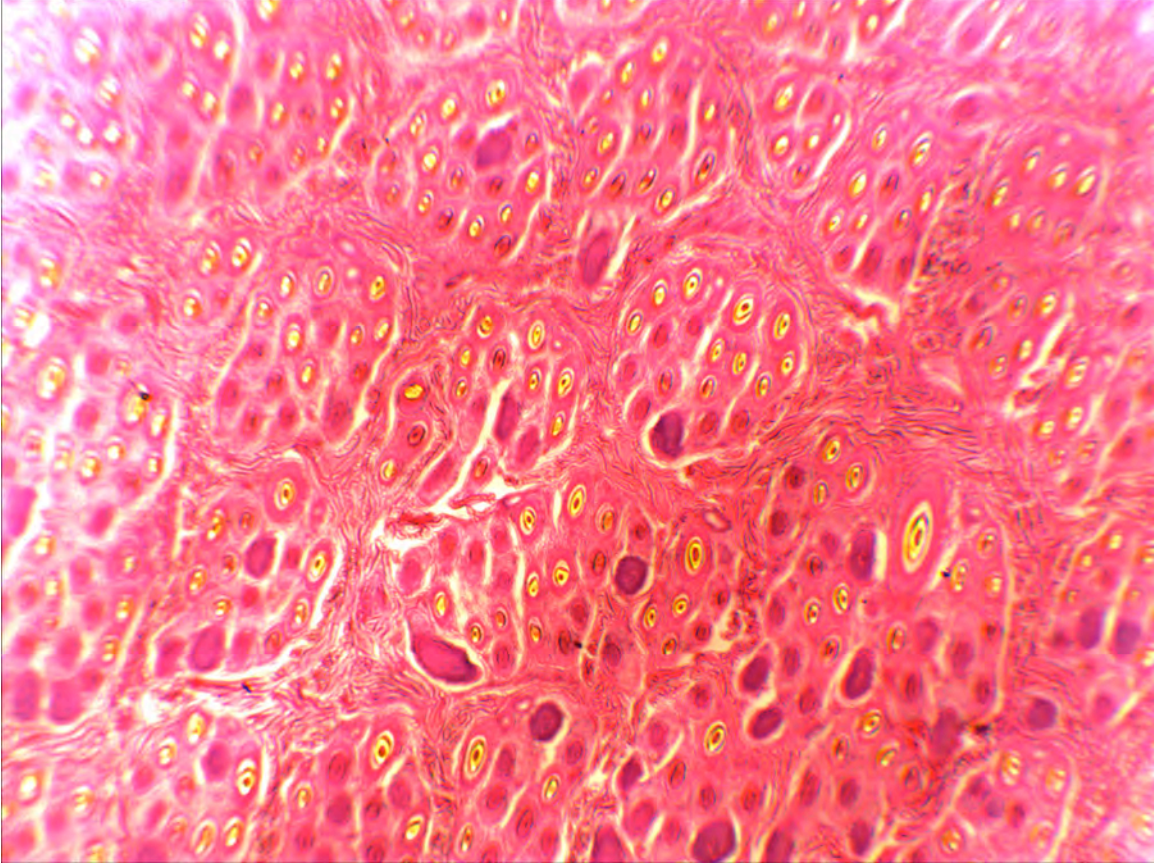
Secondary:Primary fiber ratio: 9.8 :1

In-skin mean primary fiber diameter: 21.9μ Standard Deviation: 2.9 μ Range: 18.5 μ to 32.0 μ

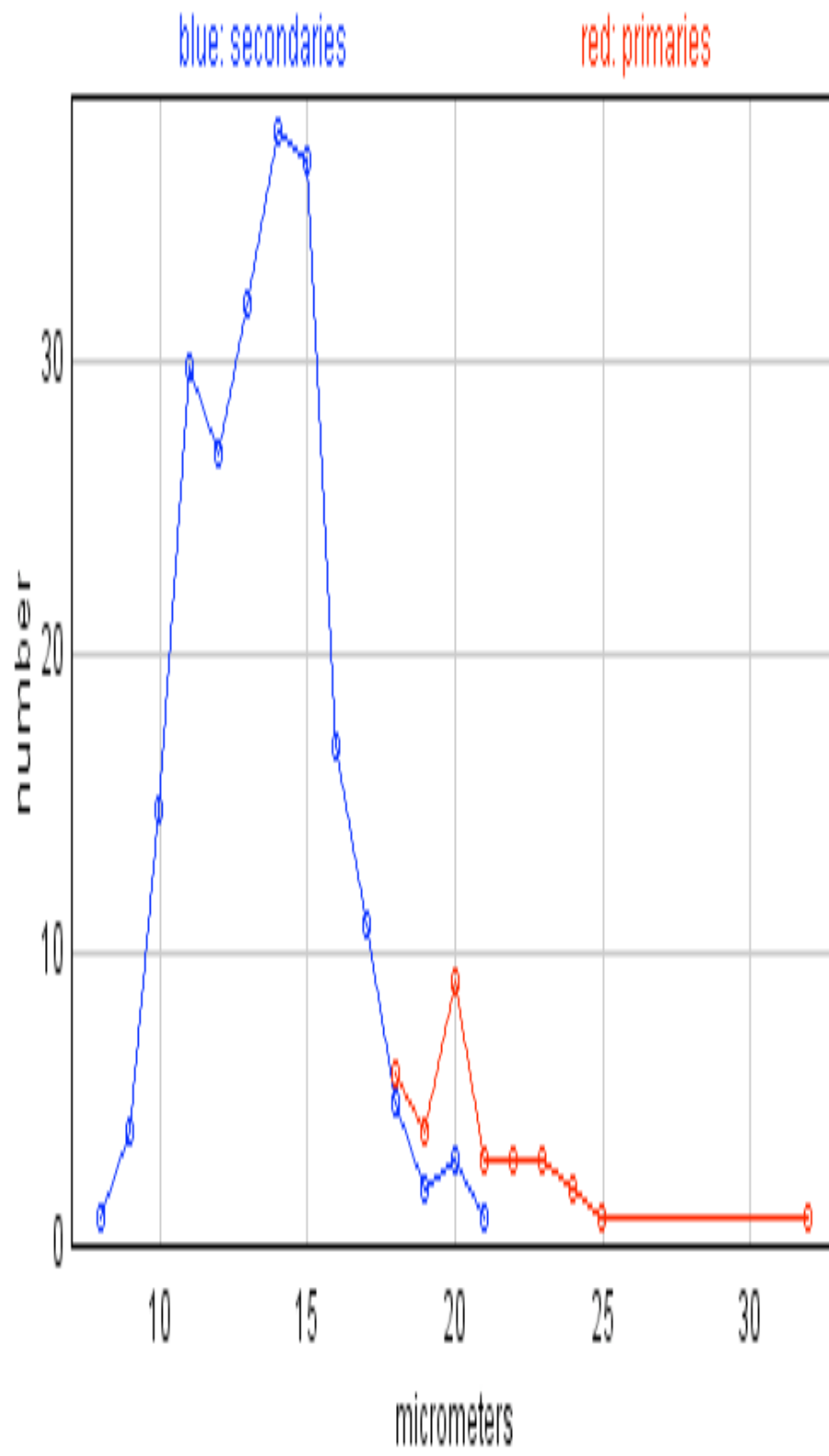
In-skin mean secondary fiber diameter: 13.6 μ Standard Deviation: 2.3 μ Range: 7.5 μ to 21.3 μ

Average Daily Fleece Growth: see OFDA 2000 report supplied separately

Sample biopsy photograph:



Fiber population histogram:



Comments:

Very good density supported by an above average S:P ratio and very good fiber population differential of just over 8 microns.

A feature of this alpaca is the low microns at the bottom of the range of each fiber population with 7.5 being the lowest we have measured.

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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