

# Yocom-McColl Testing Laboratories, Inc.

540 West Elk Place • Denver, Colorado 80216-1823 USA

PHONE (303) 294-0582 • FAX (303) 295-6944

EMAIL: ymccoll@ymccoll.com

## Optical Fiber Diameter Analyser (OFDA 100) Micron Test Report

RobAsia Alpaca Ranch LLC/Joanna and Robert Stephens  
611 Norstad Rd  
Manitowoc WI 54220-9769 USA

Date: 06/07/12  
Shear ID: 24818  
Test No: 429932

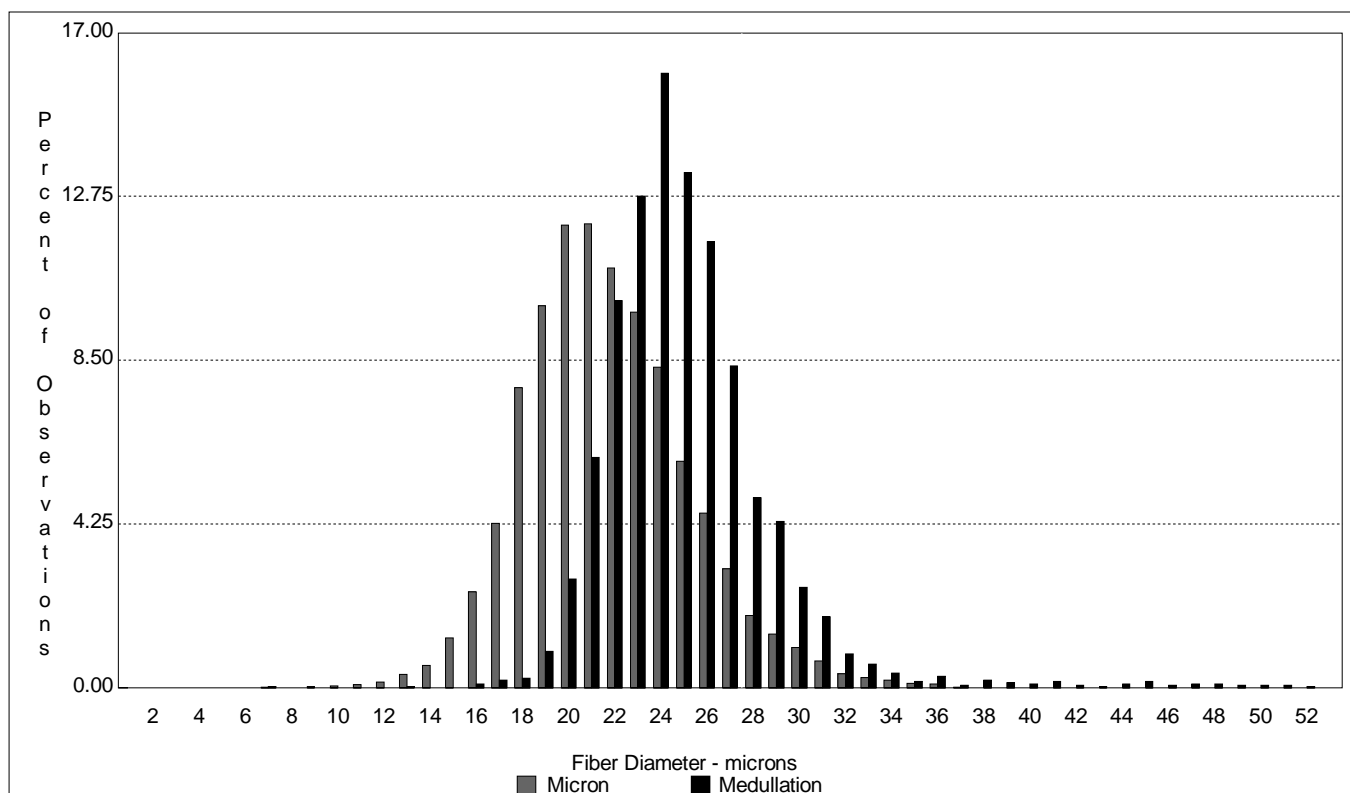
### Animal and Sample Description

**Animal Name:** Robasia's Albus  
**ARI #:** 32194791  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** White

**Date of Birth (Age):** 08/30/11  
**Sample Location:** Side  
**Sample Date:** 05/05/12  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 5.21

### Laboratory Data

<b>Mean Fiber Diameter:</b>	21.8 microns	<b>Mean Staple Length:</b>	99.0 mm
<b>Standard Deviation:</b>	3.9 microns	<b>Length Standard Deviation:</b>	10.3 mm
<b>Coefficient of Variation:</b>	17.7 %	<b>Length Coefficient of Variation:</b>	10.4 %
<b>Spin Fineness:</b>	20.7 microns	<b>Mean Curvature:</b>	26.1 deg/mm
<b>Fibers Greater Than 30 microns:</b>	2.2 %	<b>SD Curvature:</b>	21.0 deg/mm
<b>Comfort Factor:</b>	97.8 %	<b>Medullated Fibers:</b>	27.1 %



This Test Performed According to I.W.T.O Method 47



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## Optical Fiber Diameter Analyser (OFDA 100) Micron Test Report

RobAsia Alpaca Ranch LLC/Robert & Joanna Stephens  
611 Norstad Rd  
Manitowoc WI 54220-9769 USA

Date: 05/22/13  
Shear ID: 40925  
Test No: 453997

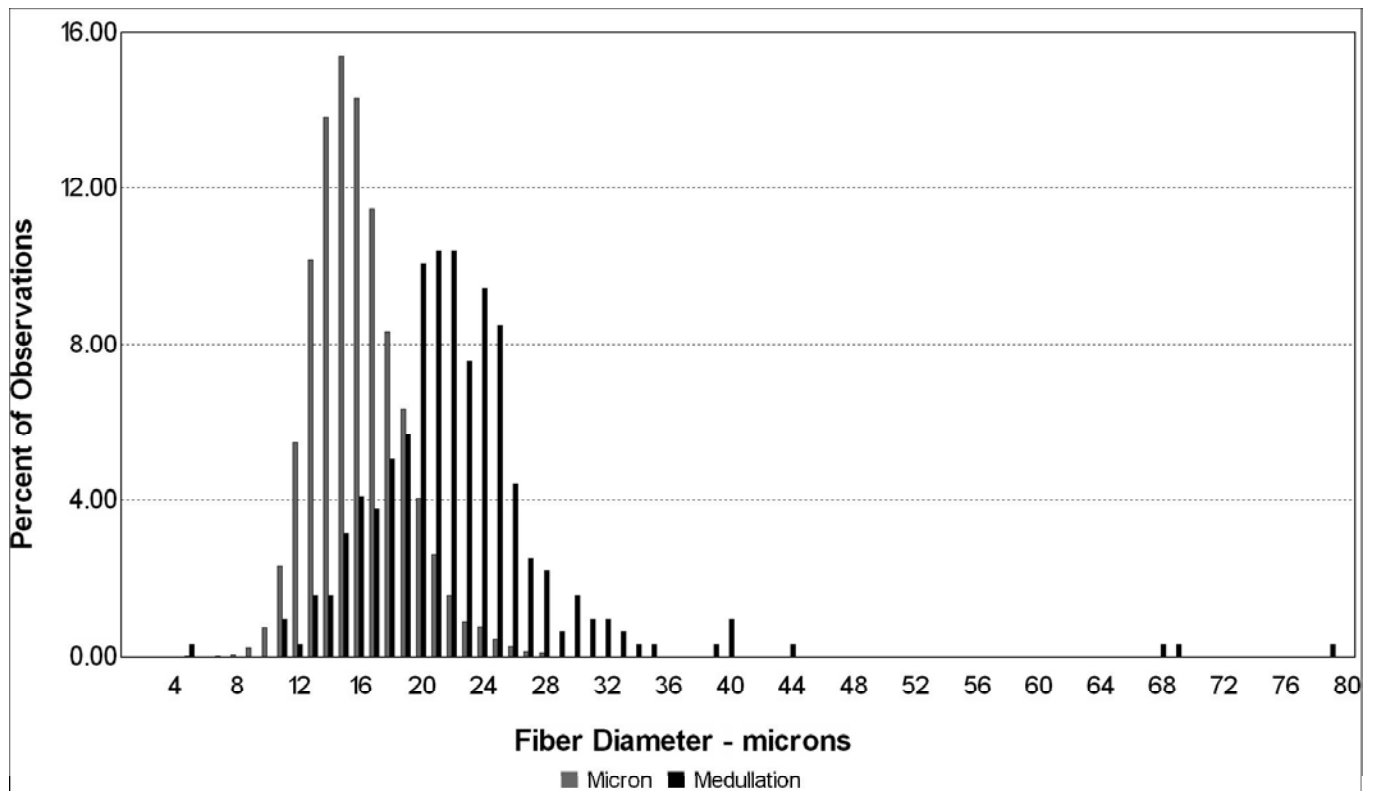
### Animal and Sample Description

**Animal Name:** RobAsia's Albus  
**ARI #:** 32194791  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** White

**Date of Birth (Age):** 08/30/11  
**Sample Location:** Side  
**Sample Date:** 05/04/13  
**Previous Shear Date:** 05/05/12  
**Total Fleece Wt (lbs):** 4.23

### Laboratory Data

<b>Mean Fiber Diameter:</b>	16.0 microns	<b>Mean Staple Length:</b>	81.6 mm
<b>Standard Deviation:</b>	3.2 microns	<b>Length Standard Deviation:</b>	3.4 mm
<b>Coefficient of Variation:</b>	19.9 %	<b>Length Coefficient of Variation:</b>	4.2 %
<b>Spin Fineness:</b>	15.4 microns	<b>Mean Curvature:</b>	52.5 deg/mm
<b>Fibers Greater Than 30 microns:</b>	0.3 %	<b>SD Curvature:</b>	29.0 deg/mm
<b>Comfort Factor:</b>	99.7 %	<b>Medullated Fibers:</b>	2.6 %



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## Optical Fiber Diameter Analyser (OFDA100) Micron Test Report

Blue Gate Alpacas/Rey Garcia  
9911 Wildwood Hills Ln.  
Austin TX 78737 USA

08/22/14

Test No: 491348

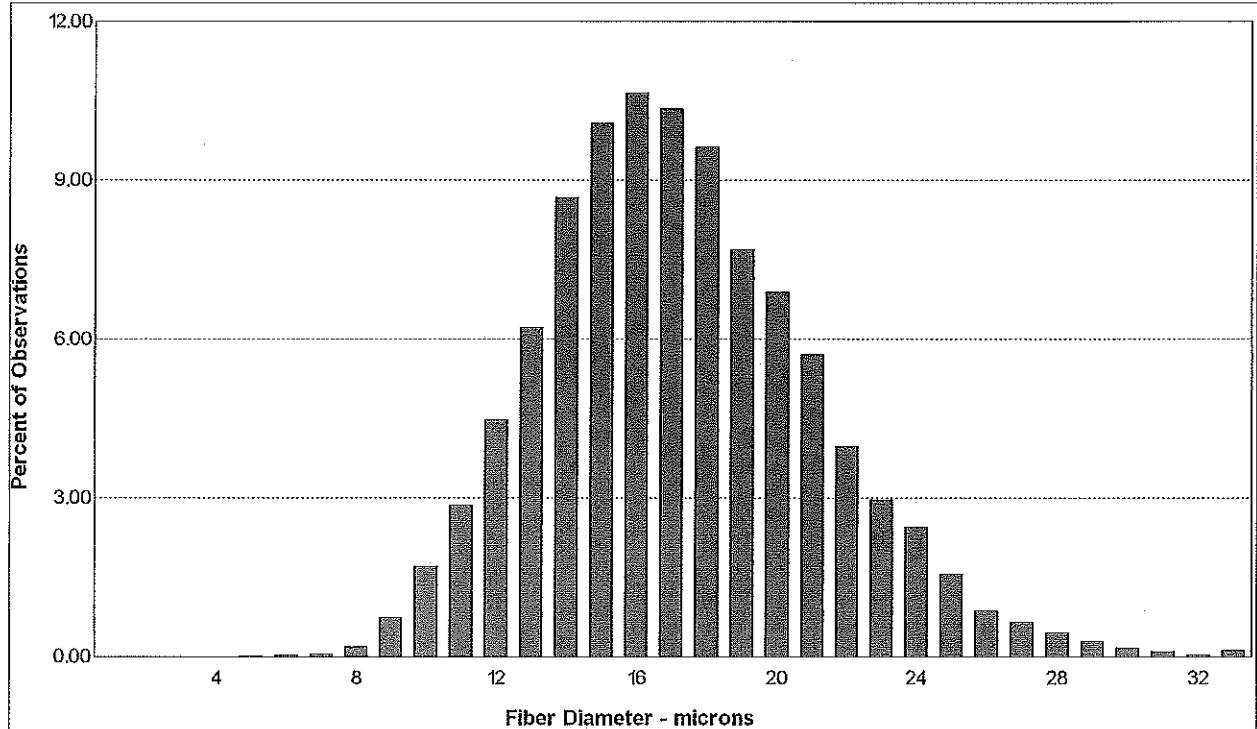
### Animal and Sample Description

**Animal Name:** RobAsia's Albus  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** XXXXX

**Animal ID:** 32194791  
**Sample Location:** Side  
**Sample Date:** 03/22/14  
**Age:** 08/30/11

### Laboratory Data

<b>Mean Fiber Diameter:</b>	17.3 microns	<b>Spin Fineness:</b>	17.2 microns
<b>Standard Deviation:</b>	4.1 microns	<b>Mean Curvature (deg/mm):</b>	46.6
<b>Coefficient of Variation:</b>	23.6 %	<b>SD Curvature (deg/mm):</b>	26.7
<b>Fibers Greater Than 30 microns:</b>	0.6 %	<b>Comfort Factor:</b>	99.4 %



This Test Performed According to I.W.T.O Method 47



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## Sirolan Laserscan Micron Test Report

Blue Gate Alpacas/Ann Burnette and Rey Garcia  
9911 Wildwood Hills Ln  
Austin TX 78737 USA

10/09/15

Test No: 916176

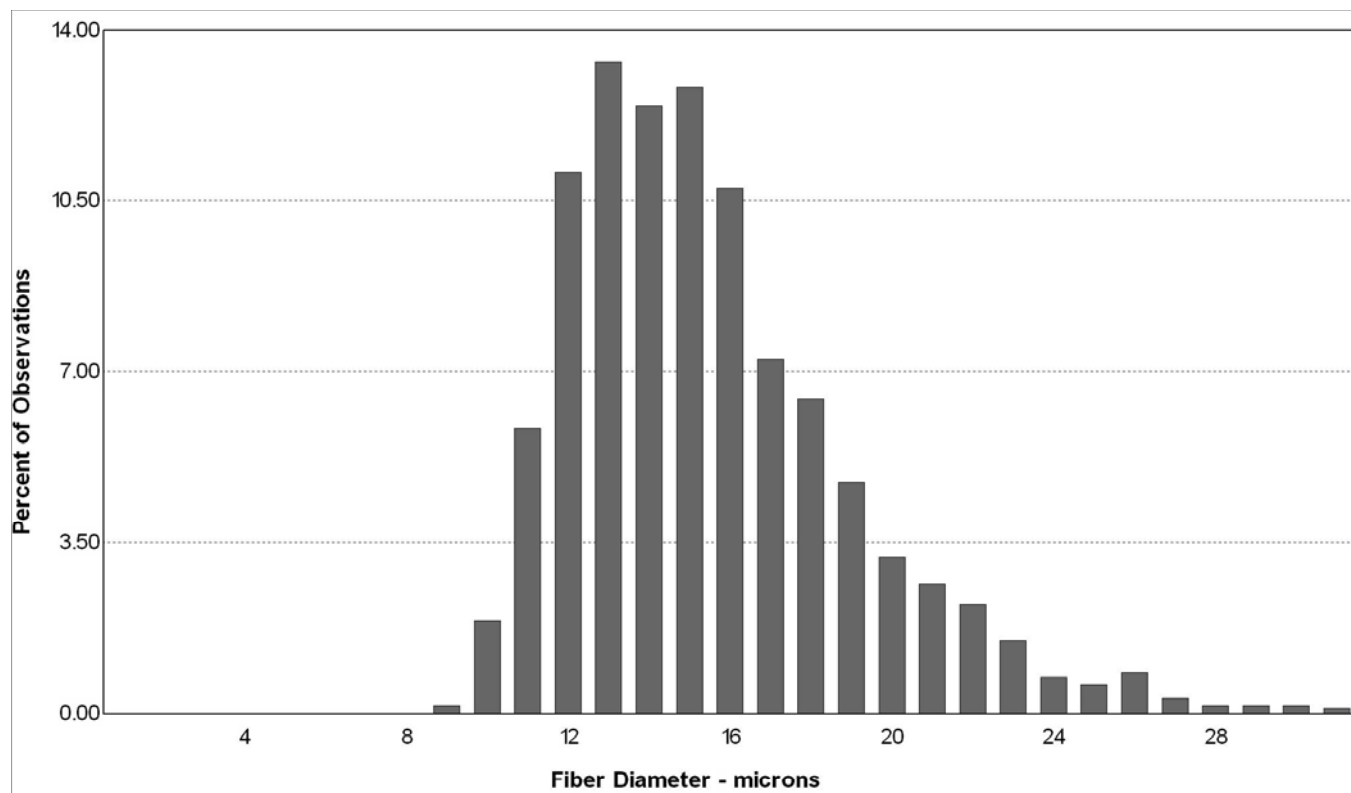
### Animal and Sample Description

**Animal Name:** RobAsia's Albus  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** XXXXX

**Animal ID:** 32194791  
**Sample Location:** Side  
**Sample Date:** 03/29/15  
**Age:** 08/30/11

### Laboratory Data

**Mean Fiber Diameter:** 15.6 microns  
**Standard Deviation:** 4.0 microns  
**Coefficient of Variation:** 25.3 %  
**Fibers Greater Than 30 microns:** 0.6 %



This Test Performed According to I.W.T.O Method 12