



### 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

Tierra Prometida Alpacas/Rhonda Deschner  
4805 FM 32  
Fischer TX 78623-1877 USA

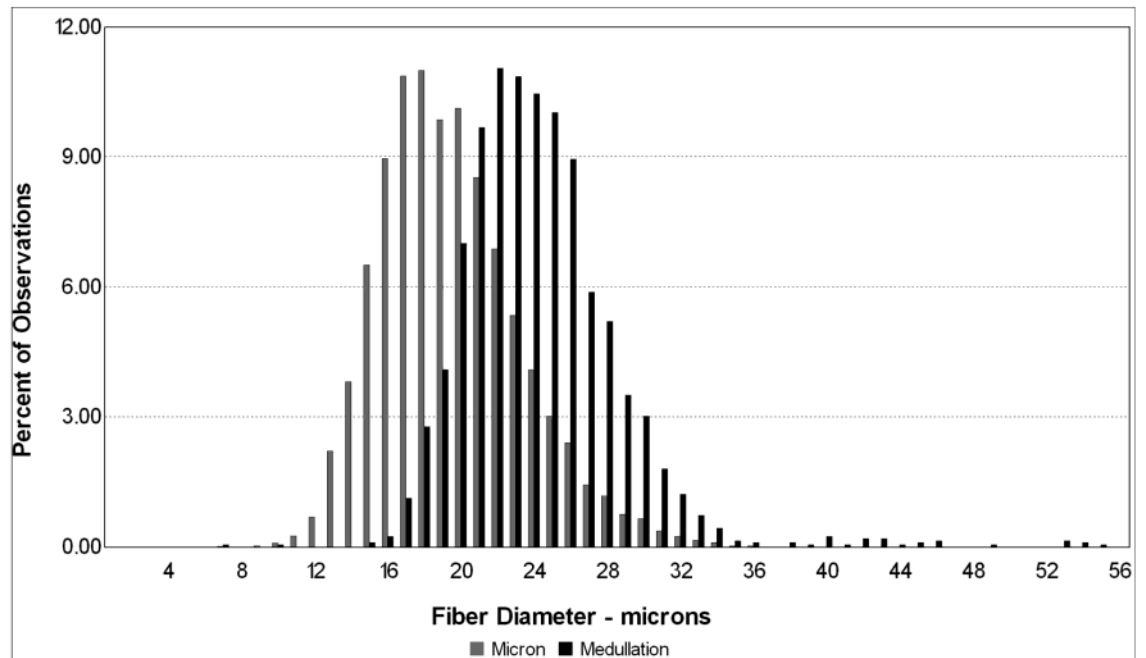
Date: 05/30/14  
Shear ID: 76025  
Test No: 478595

#### Animal and Sample Description

|  |                                      |
|--|--------------------------------------|
| <b>Animal Name:</b> TP Snowmass Touche's Tiago | <b>Date of Birth (Age):</b> 09/26/12 |
| <b>ARI #:</b> 32757910                         | <b>Sample Location:</b> Side         |
| <b>Breed:</b> Alpaca(Huacaya)                  | <b>Sample Date:</b> 05/04/14         |
| <b>Sex:</b> Male                               | <b>Previous Shear Date:</b> 06/22/13 |
| <b>Color:</b> White                            | <b>Total Fleece Wt (lbs):</b> 8.20   |

#### Laboratory Data

|  |   |
|--|---|
| <b>Mean Fiber Diameter:</b> 19.6 microns     | <b>Mean Staple Length:</b> 112.8 mm           |
| <b>Standard Deviation:</b> 4.1 microns       | <b>Length Standard Deviation:</b> 7.3 mm      |
| <b>Coefficient of Variation:</b> 21.1 %      | <b>Length Coefficient of Variation:</b> 6.4 % |
| <b>Spin Fineness:</b> 19.0 microns           | <b>Mean Curvature:</b> 42.8 deg/mm            |
| <b>Fibers Greater Than 30 microns:</b> 1.3 % | <b>SD Curvature:</b> 23.1 deg/mm              |
| <b>Comfort Factor:</b> 98.7 %                | <b>Medullated Fibers:</b> 20.0 %              |



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



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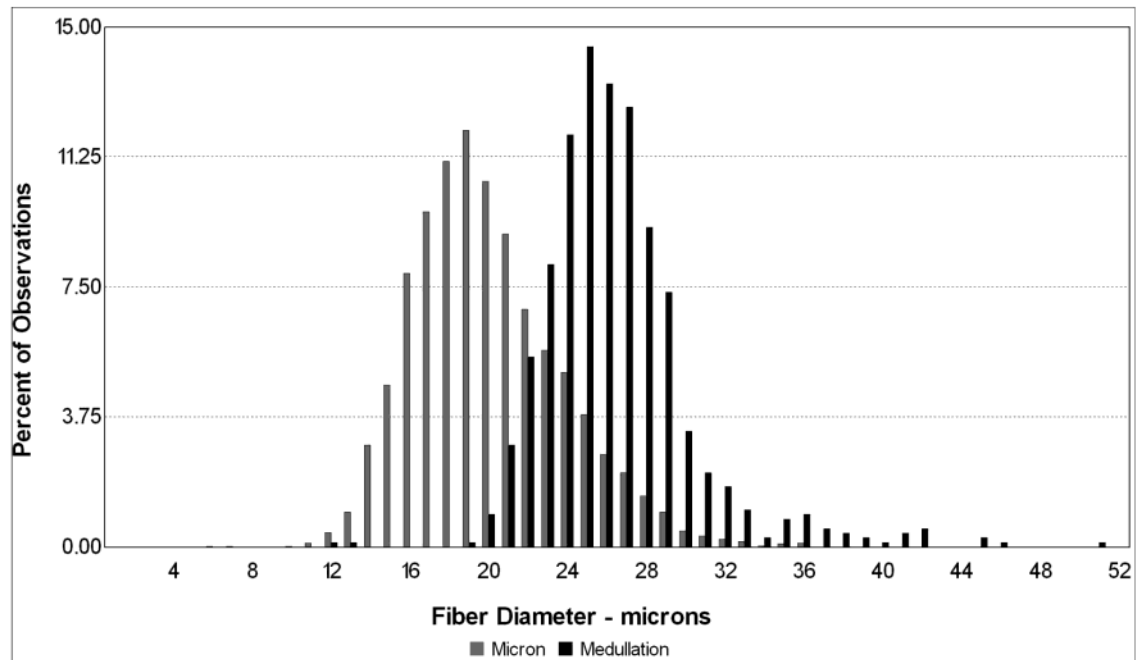
**Date:** 05/30/14  
**Shear ID:** 67876  
**Test No:** 478567

**Animal and Sample Description**

|  |                                      |
|--|--------------------------------------|
| <b>Animal Name:</b> TP Touche's En Guard | <b>Date of Birth (Age):</b> 12/07/11 |
| <b>ARI #:</b> 31945530                   | <b>Sample Location:</b> Side         |
| <b>Breed:</b> Alpaca(Huacaya)            | <b>Sample Date:</b> 04/05/14         |
| <b>Sex:</b> Male                         | <b>Previous Shear Date:</b> 04/06/13 |
| <b>Color:</b> White                      | <b>Total Fleece Wt (lbs):</b> 6.50   |

**Laboratory Data**

|  |   |
|--|---|
| <b>Mean Fiber Diameter:</b> 20.1 microns     | <b>Mean Staple Length:</b> 117.6 mm           |
| <b>Standard Deviation:</b> 4.0 microns       | <b>Length Standard Deviation:</b> 3.9 mm      |
| <b>Coefficient of Variation:</b> 19.9 %      | <b>Length Coefficient of Variation:</b> 3.3 % |
| <b>Spin Fineness:</b> 19.4 microns           | <b>Mean Curvature:</b> 43.7 deg/mm            |
| <b>Fibers Greater Than 30 microns:</b> 1.3 % | <b>SD Curvature:</b> 22.4 deg/mm              |
| <b>Comfort Factor:</b> 98.7 %                | <b>Medullated Fibers:</b> 12.8 %              |



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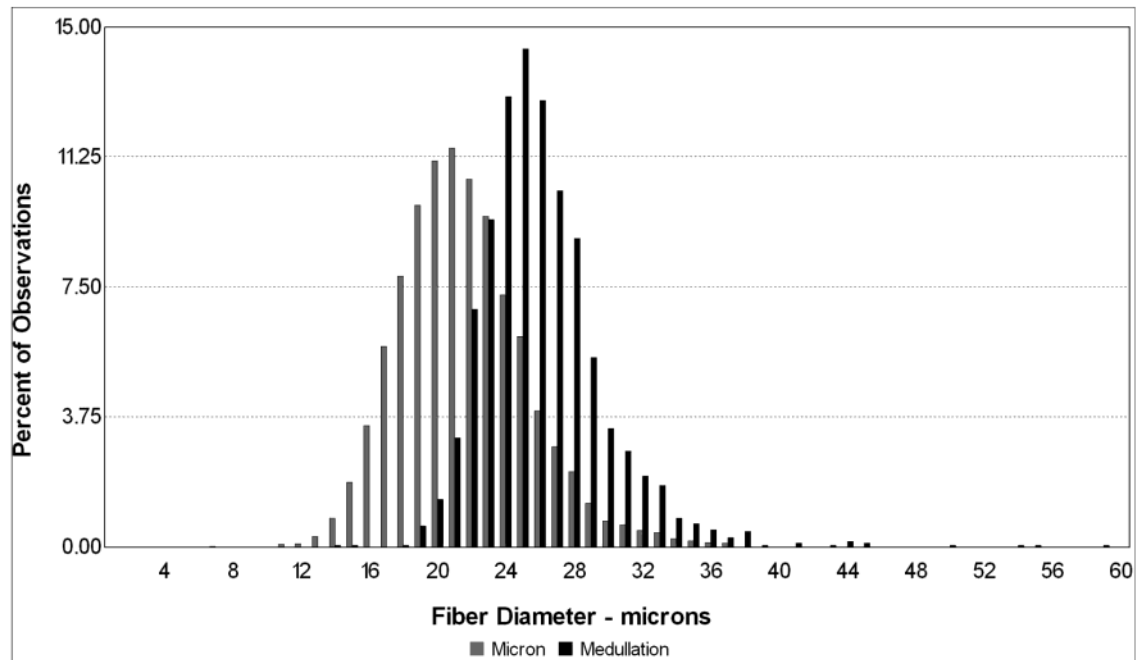
**Date:** 05/30/14  
**Shear ID:** 67873  
**Test No:** 478588

**Animal and Sample Description**

|  |                                      |
|--|--------------------------------------|
| <b>Animal Name:</b> TP Snowmass Touche's Trinity | <b>Date of Birth (Age):</b> 11/13/12 |
| <b>ARI #:</b> 32757927                           | <b>Sample Location:</b> Side         |
| <b>Breed:</b> Alpaca(Huacaya)                    | <b>Sample Date:</b> 04/05/14         |
| <b>Sex:</b> Female                               | <b>Previous Shear Date:</b> 06/22/13 |
| <b>Color:</b> White                              | <b>Total Fleece Wt (lbs):</b> 4.00   |

**Laboratory Data**

|  |   |
|--|---|
| <b>Mean Fiber Diameter:</b> 21.7 microns     | <b>Mean Staple Length:</b> 89.0 mm            |
| <b>Standard Deviation:</b> 4.0 microns       | <b>Length Standard Deviation:</b> 1.2 mm      |
| <b>Coefficient of Variation:</b> 18.6 %      | <b>Length Coefficient of Variation:</b> 1.4 % |
| <b>Spin Fineness:</b> 20.7 microns           | <b>Mean Curvature:</b> 43.4 deg/mm            |
| <b>Fibers Greater Than 30 microns:</b> 2.6 % | <b>SD Curvature:</b> 24.4 deg/mm              |
| <b>Comfort Factor:</b> 97.4 %                | <b>Medullated Fibers:</b> 20.4 %              |



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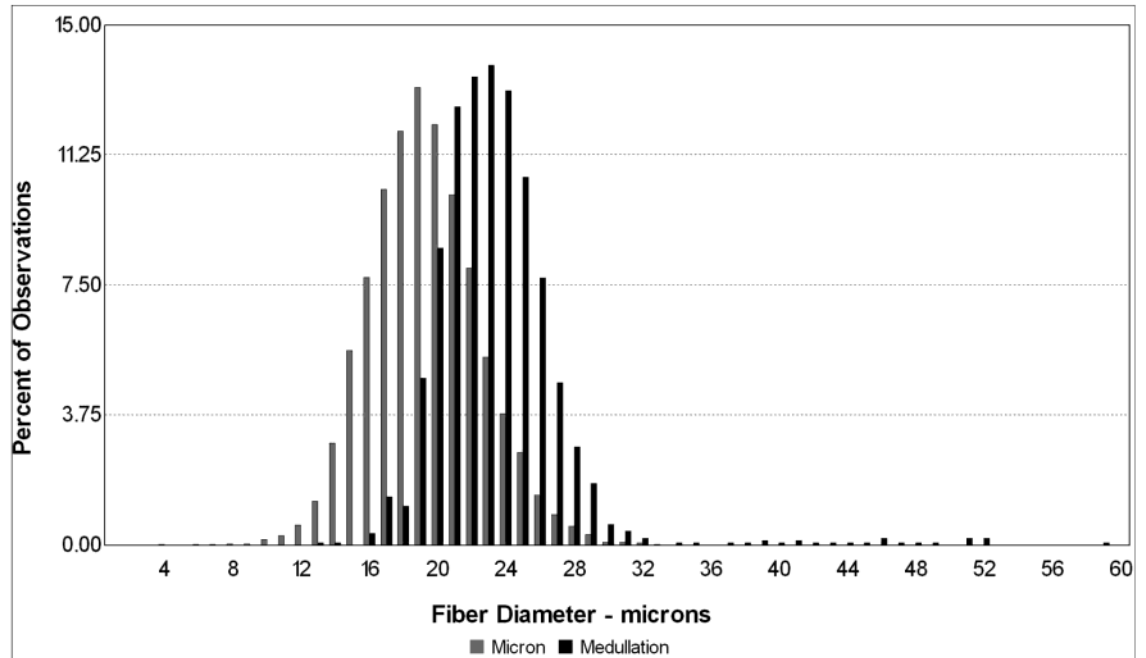
**Date:** 05/30/14  
**Shear ID:** 67872  
**Test No:** 478577

**Animal and Sample Description**

|   |                                      |
|---|--------------------------------------|
| <b>Animal Name:</b> TP Snowmass Touche of Frost | <b>Date of Birth (Age):</b> 02/10/13 |
| <b>ARI #:</b> 32463408                          | <b>Sample Location:</b> Side         |
| <b>Breed:</b> Alpaca(Huacaya)                   | <b>Sample Date:</b> 04/05/14         |
| <b>Sex:</b> Male                                | <b>Previous Shear Date:</b> 06/22/13 |
| <b>Color:</b> Beige                             | <b>Total Fleece Wt (lbs):</b> 4.20   |

**Laboratory Data**

|  |   |
|--|---|
| <b>Mean Fiber Diameter:</b> 19.4 microns     | <b>Mean Staple Length:</b> 97.8 mm            |
| <b>Standard Deviation:</b> 3.6 microns       | <b>Length Standard Deviation:</b> 7.4 mm      |
| <b>Coefficient of Variation:</b> 18.6 %      | <b>Length Coefficient of Variation:</b> 7.6 % |
| <b>Spin Fineness:</b> 18.5 microns           | <b>Mean Curvature:</b> 40.0 deg/mm            |
| <b>Fibers Greater Than 30 microns:</b> 0.5 % | <b>SD Curvature:</b> 22.4 deg/mm              |
| <b>Comfort Factor:</b> 99.5 %                | <b>Medullated Fibers:</b> 14.4 %              |



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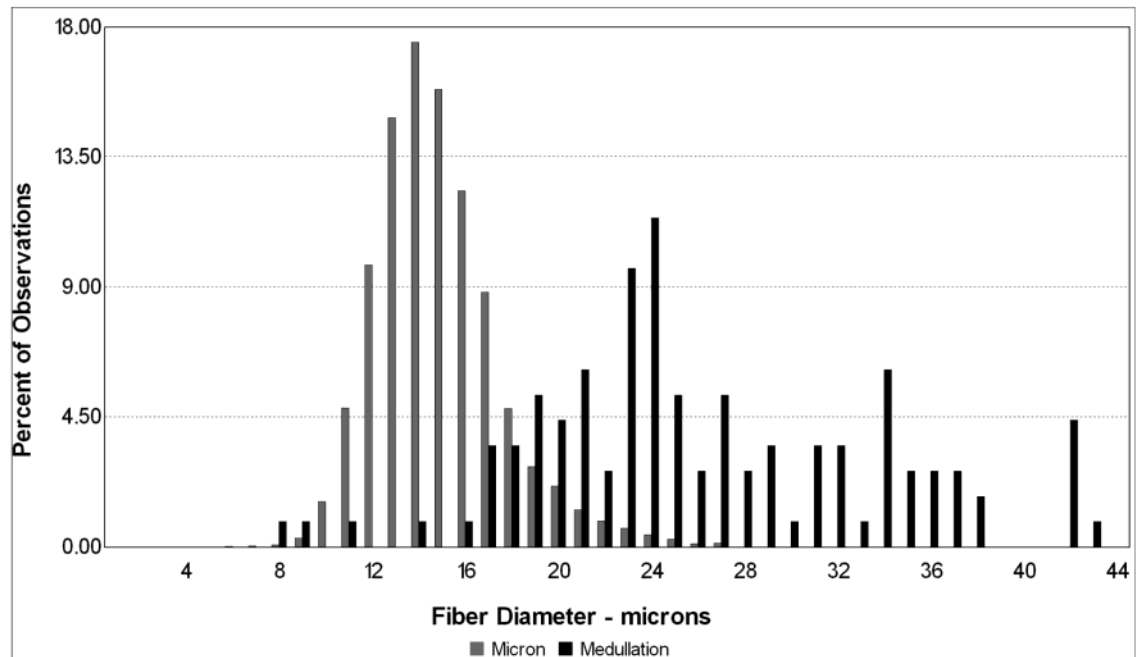
**Date:** 05/30/14  
**Shear ID:** 67871  
**Test No:** 478587

**Animal and Sample Description**

|  |                                      |
|--|--------------------------------------|
| <b>Animal Name:</b> TP Siberian Touche | <b>Date of Birth (Age):</b> 04/09/13 |
| <b>ARI #:</b> 32463590                 | <b>Sample Location:</b> Side         |
| <b>Breed:</b> Alpaca(Huacaya)          | <b>Sample Date:</b> 04/05/14         |
| <b>Sex:</b> Male                       | <b>Previous Shear Date:</b> 06/22/13 |
| <b>Color:</b> White                    | <b>Total Fleece Wt (lbs):</b> 4.00   |

**Laboratory Data**

|  |  |
|--|--|
| <b>Mean Fiber Diameter:</b> 15.0 microns     | <b>Mean Staple Length:</b> 93.4 mm             |
| <b>Standard Deviation:</b> 3.1 microns       | <b>Length Standard Deviation:</b> 9.9 mm       |
| <b>Coefficient of Variation:</b> 20.7 %      | <b>Length Coefficient of Variation:</b> 10.6 % |
| <b>Spin Fineness:</b> 14.6 microns           | <b>Mean Curvature:</b> 44.7 deg/mm             |
| <b>Fibers Greater Than 30 microns:</b> 0.4 % | <b>SD Curvature:</b> 23.7 deg/mm               |
| <b>Comfort Factor:</b> 99.6 %                | <b>Medullated Fibers:</b> 1.4 %                |



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