

# 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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48679  
**Test No:** 464204

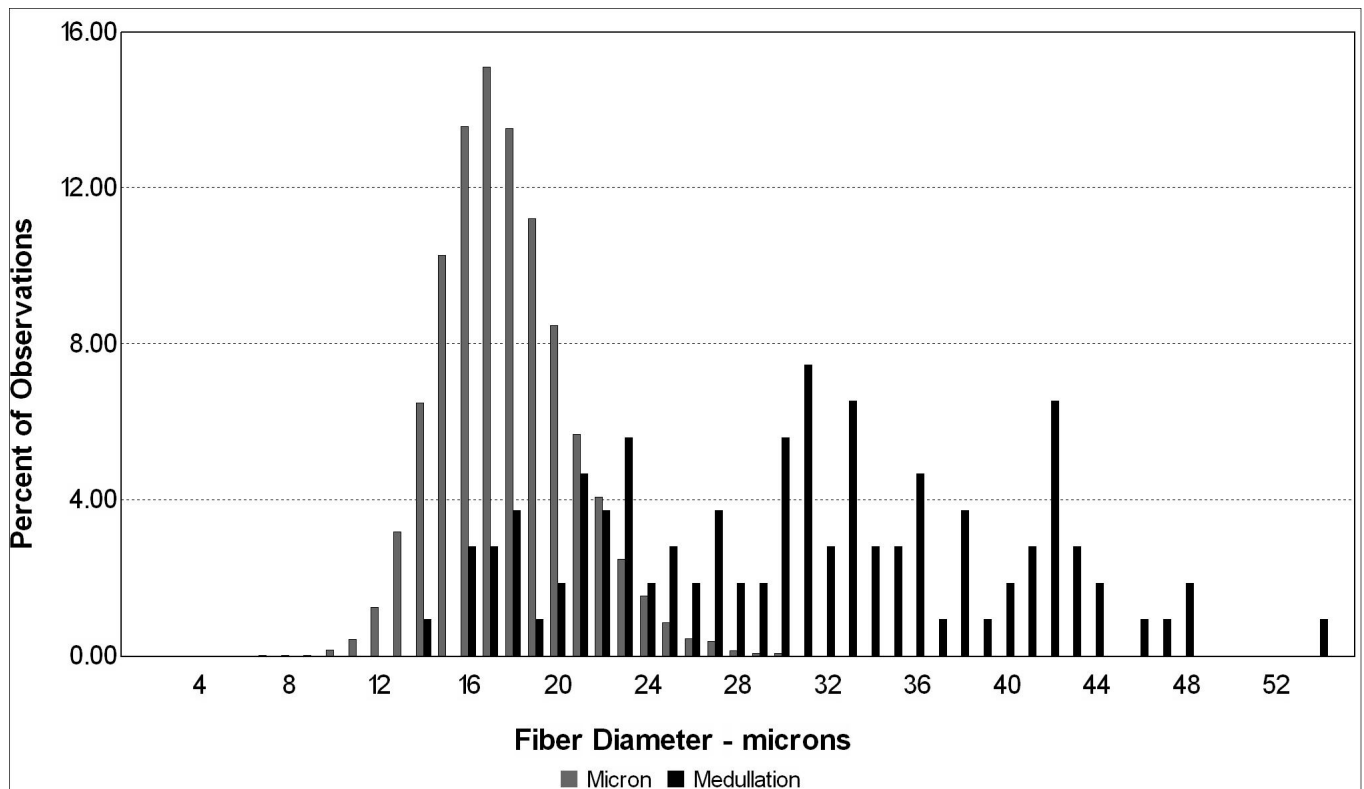
### Animal and Sample Description

**Animal Name:** Artic's Tomahawk  
**ARI #:** 31876735  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** White

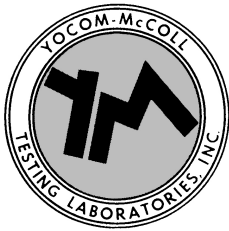
**Date of Birth (Age):** 09/26/12  
**Sample Location:** Side  
**Sample Date:** 05/30/13  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 6.50

### Laboratory Data

<b>Mean Fiber Diameter:</b>	17.8 microns	<b>Mean Staple Length:</b>	106.6 mm
<b>Standard Deviation:</b>	3.2 microns	<b>Length Standard Deviation:</b>	4.9 mm
<b>Coefficient of Variation:</b>	18.0 %	<b>Length Coefficient of Variation:</b>	4.6 %
<b>Spin Fineness:</b>	16.9 microns	<b>Mean Curvature:</b>	48.5 deg/mm
<b>Fibers Greater Than 30 microns:</b>	0.5 %	<b>SD Curvature:</b>	25.2 deg/mm
<b>Comfort Factor:</b>	99.5 %	<b>Medullated Fibers:</b>	0.8 %



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



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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48689  
**Test No:** 464205

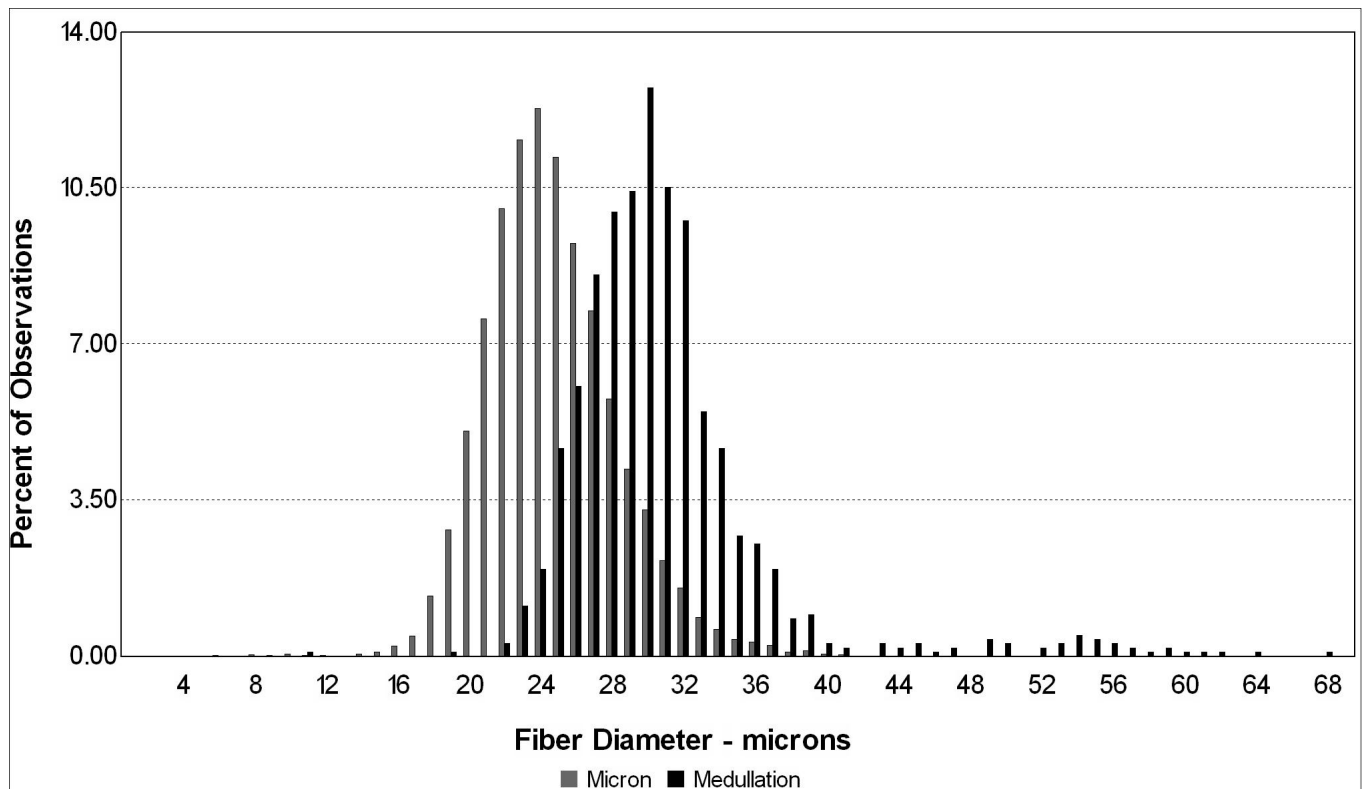
### Animal and Sample Description

**Animal Name:** North Platte Prarie Rose  
**ARI #:** 31580373  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** White

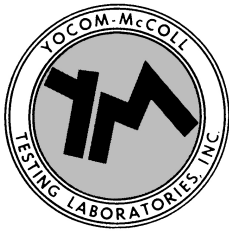
**Date of Birth (Age):** 07/09/10  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** 05/28/12  
**Total Fleece Wt (lbs):** 7.72

### Laboratory Data

<b>Mean Fiber Diameter:</b>	24.8 microns	<b>Mean Staple Length:</b>	75.6 mm
<b>Standard Deviation:</b>	4.2 microns	<b>Length Standard Deviation:</b>	5.5 mm
<b>Coefficient of Variation:</b>	16.8 %	<b>Length Coefficient of Variation:</b>	7.2 %
<b>Spin Fineness:</b>	23.4 microns	<b>Mean Curvature:</b>	42.1 deg/mm
<b>Fibers Greater Than 30 microns:</b>	6.9 %	<b>SD Curvature:</b>	24.9 deg/mm
<b>Comfort Factor:</b>	93.1 %	<b>Medullated Fibers:</b>	11.2 %



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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48697  
**Test No:** 464206

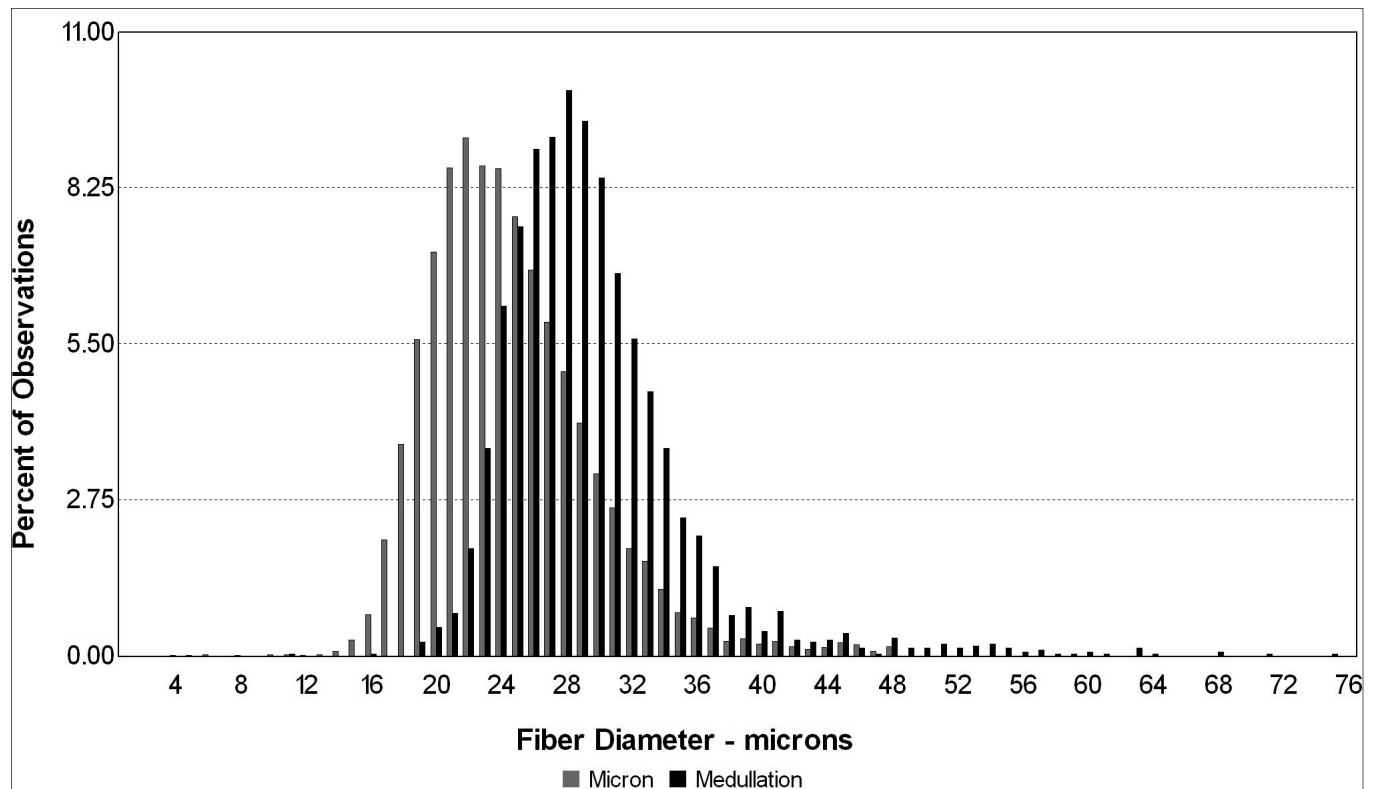
### Animal and Sample Description

**Animal Name:** Sleeping Giant's Princess Indio  
**ARI #:** 31651097  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** White

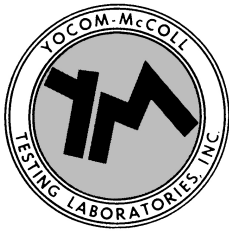
**Date of Birth (Age):** 04/27/09  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** 05/28/12  
**Total Fleece Wt (lbs):** 6.75

### Laboratory Data

<b>Mean Fiber Diameter:</b>	25.0 microns	<b>Mean Staple Length:</b>	64.4 mm
<b>Standard Deviation:</b>	6.0 microns	<b>Length Standard Deviation:</b>	1.5 mm
<b>Coefficient of Variation:</b>	24.0 %	<b>Length Coefficient of Variation:</b>	2.4 %
<b>Spin Fineness:</b>	25.0 microns	<b>Mean Curvature:</b>	38.9 deg/mm
<b>Fibers Greater Than 30 microns:</b>	12.5 %	<b>SD Curvature:</b>	25.5 deg/mm
<b>Comfort Factor:</b>	87.5 %	<b>Medullated Fibers:</b>	27.3 %



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North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48688  
**Test No:** 464207

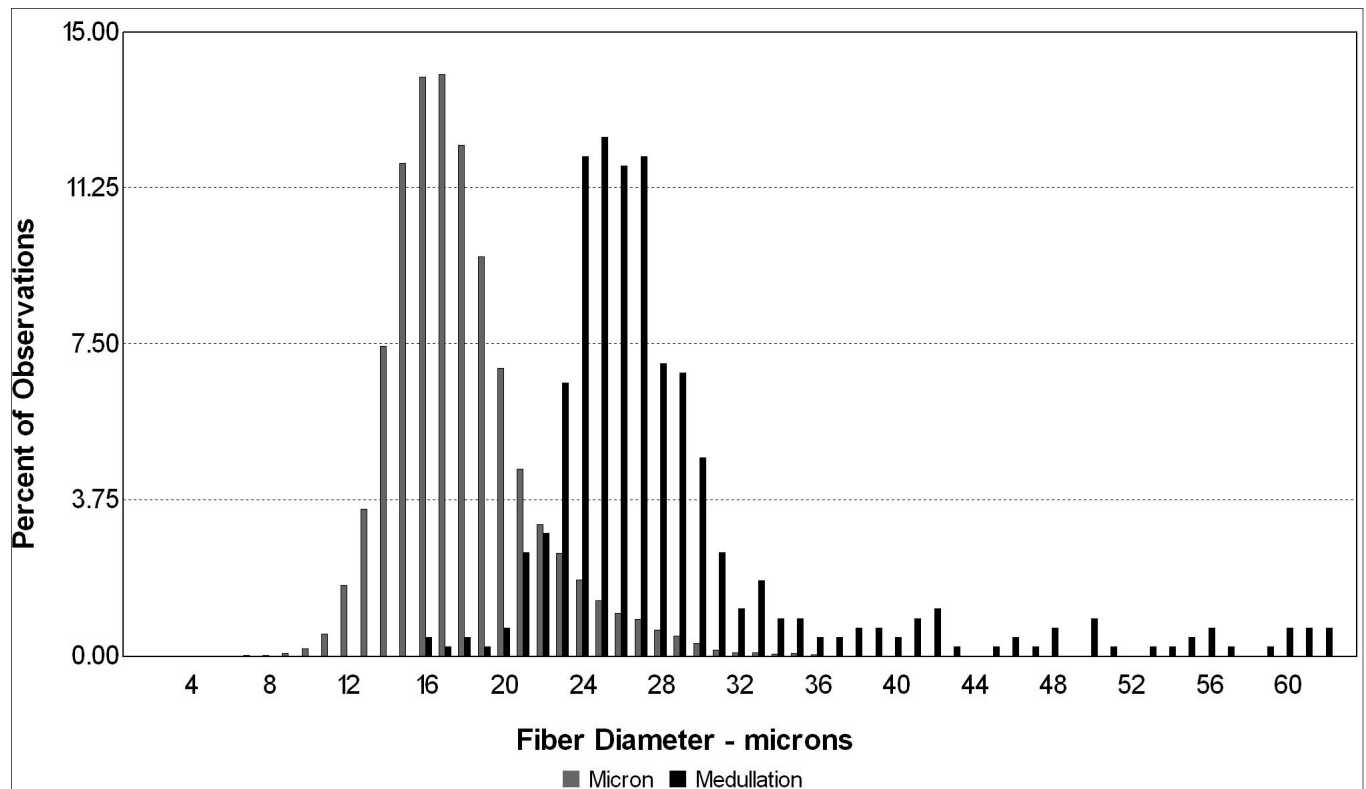
### Animal and Sample Description

**Animal Name:** North Platte Nayhla  
**ARI #:** 31876667  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** White

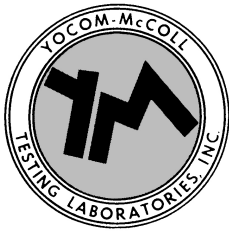
**Date of Birth (Age):** 06/02/12  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 4.70

### Laboratory Data

<b>Mean Fiber Diameter:</b>	18.1 microns	<b>Mean Staple Length:</b>	156.4 mm
<b>Standard Deviation:</b>	4.6 microns	<b>Length Standard Deviation:</b>	6.7 mm
<b>Coefficient of Variation:</b>	25.7 %	<b>Length Coefficient of Variation:</b>	4.3 %
<b>Spin Fineness:</b>	18.4 microns	<b>Mean Curvature:</b>	44.4 deg/mm
<b>Fibers Greater Than 30 microns:</b>	1.3 %	<b>SD Curvature:</b>	25.4 deg/mm
<b>Comfort Factor:</b>	98.7 %	<b>Medullated Fibers:</b>	4.2 %



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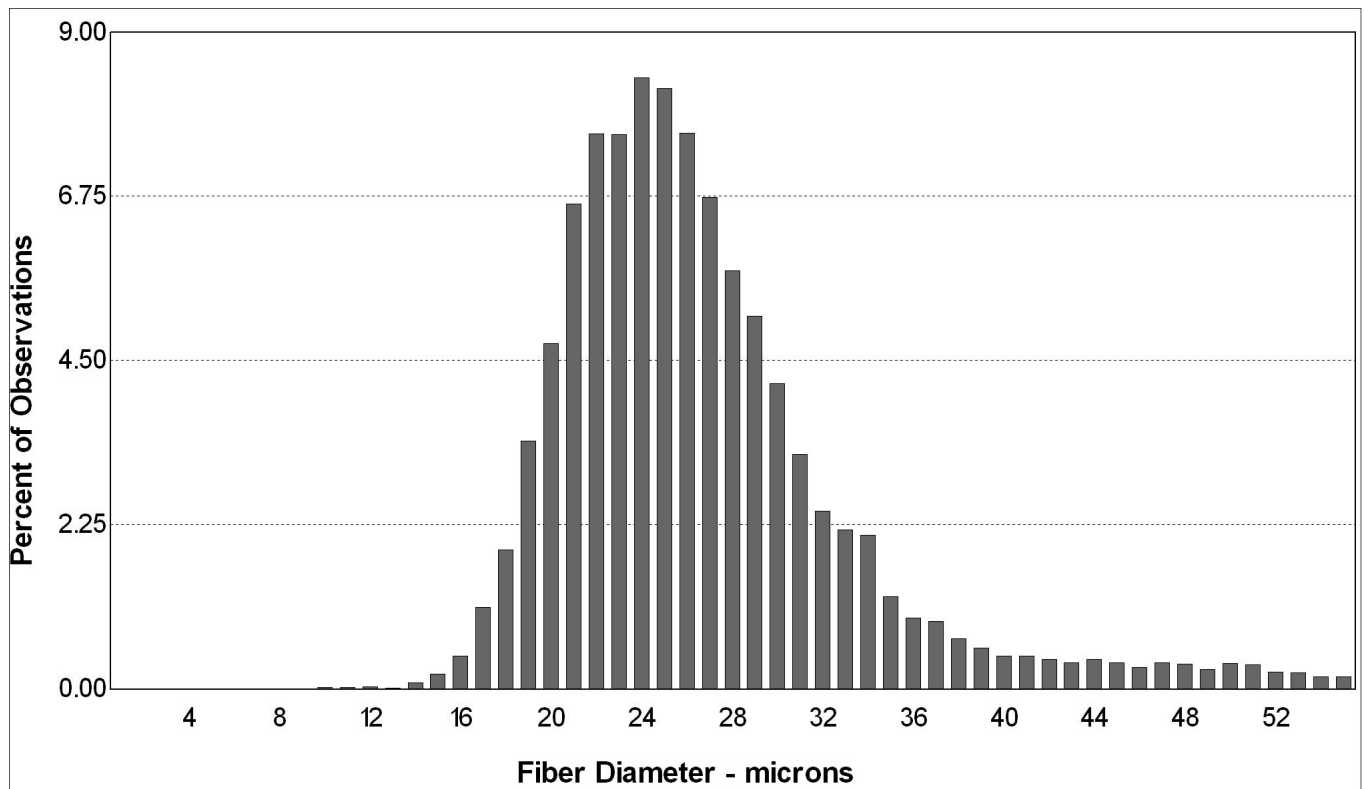
**Date:** 07/31/13  
**Shear ID:** 48698  
**Test No:** 464208

### Animal and Sample Description

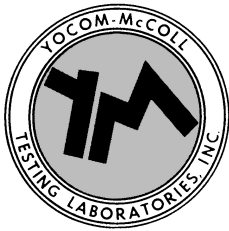
<b>Animal Name:</b> Smokee	<b>Date of Birth (Age):</b> 10/15/07
<b>ARI #:</b> 31093903	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Huacaya)	<b>Sample Date:</b> 05/30/13
<b>Sex:</b> Male	<b>Previous Shear Date:</b> 05/28/12
<b>Color:</b> Dark Silver Grey	<b>Total Fleece Wt (lbs):</b> 4.65

### Laboratory Data

<b>Mean Fiber Diameter:</b> 26.9 microns	<b>Mean Staple Length:</b> 76.4 mm
<b>Standard Deviation:</b> 7.1 microns	<b>Length Standard Deviation:</b> 3.2 mm
<b>Coefficient of Variation:</b> 26.5 %	<b>Length Coefficient of Variation:</b> 4.2 %
<b>Spin Fineness:</b> 27.6 microns	<b>Mean Curvature:</b> 33.4 deg/mm
<b>Fibers Greater Than 30 microns:</b> 20.2 %	<b>SD Curvature:</b> 21.7 deg/mm
<b>Comfort Factor:</b> 79.8 %	



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20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48696  
**Test No:** 464209

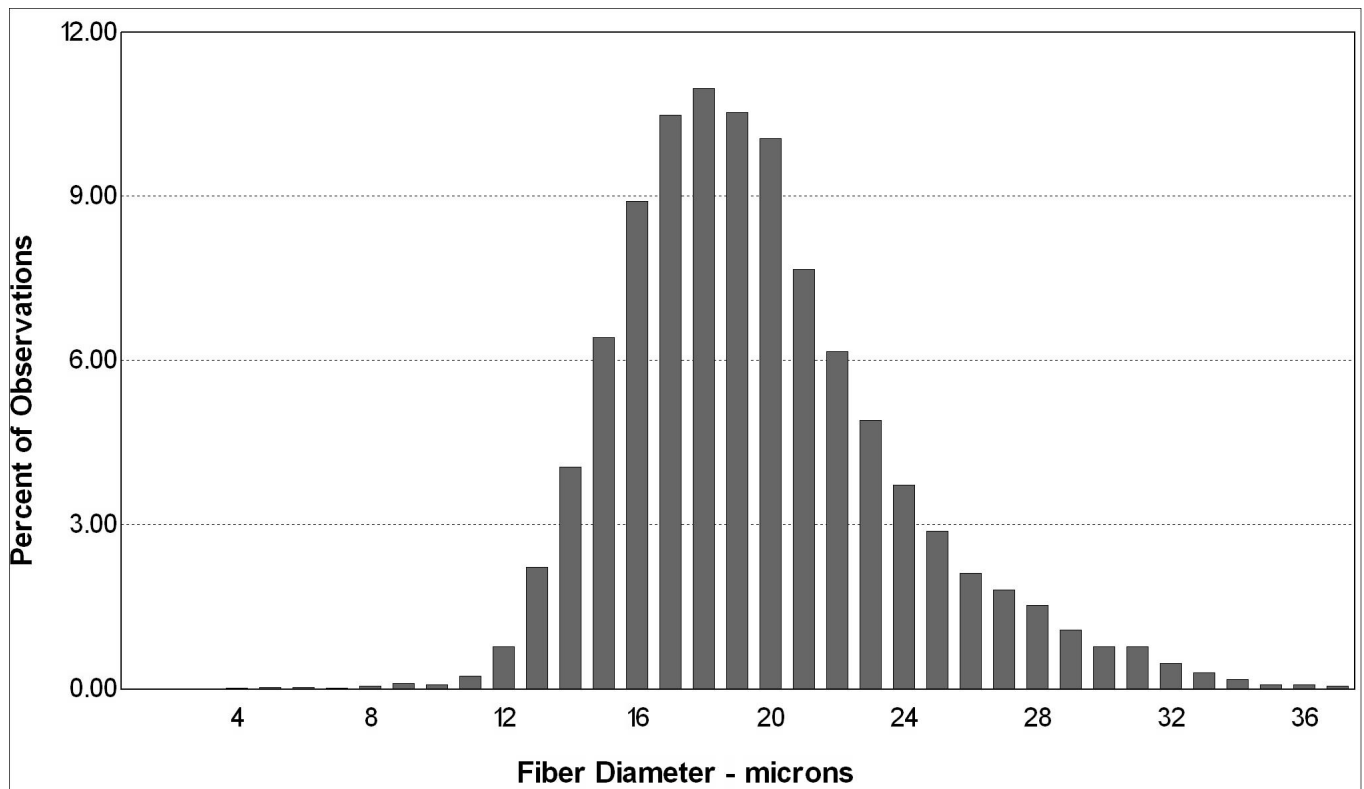
### Animal and Sample Description

**Animal Name:** North Platte Teka  
**ARI #:** 31876582  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** Dark Fawn

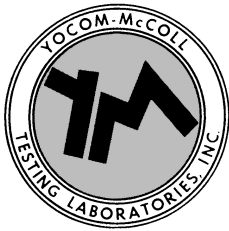
**Date of Birth (Age):** 05/29/12  
**Sample Location:** Side  
**Sample Date:** 05/30/13  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 6.52

### Laboratory Data

<b>Mean Fiber Diameter:</b>	19.7 microns	<b>Mean Staple Length:</b>	119.4 mm
<b>Standard Deviation:</b>	4.6 microns	<b>Length Standard Deviation:</b>	45.5 mm
<b>Coefficient of Variation:</b>	23.1 %	<b>Length Coefficient of Variation:</b>	38.1 %
<b>Spin Fineness:</b>	19.5 microns	<b>Mean Curvature:</b>	37.8 deg/mm
<b>Fibers Greater Than 30 microns:</b>	2.4 %	<b>SD Curvature:</b>	23.1 deg/mm
<b>Comfort Factor:</b>	97.6 %		



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North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48691  
**Test No:** 464210

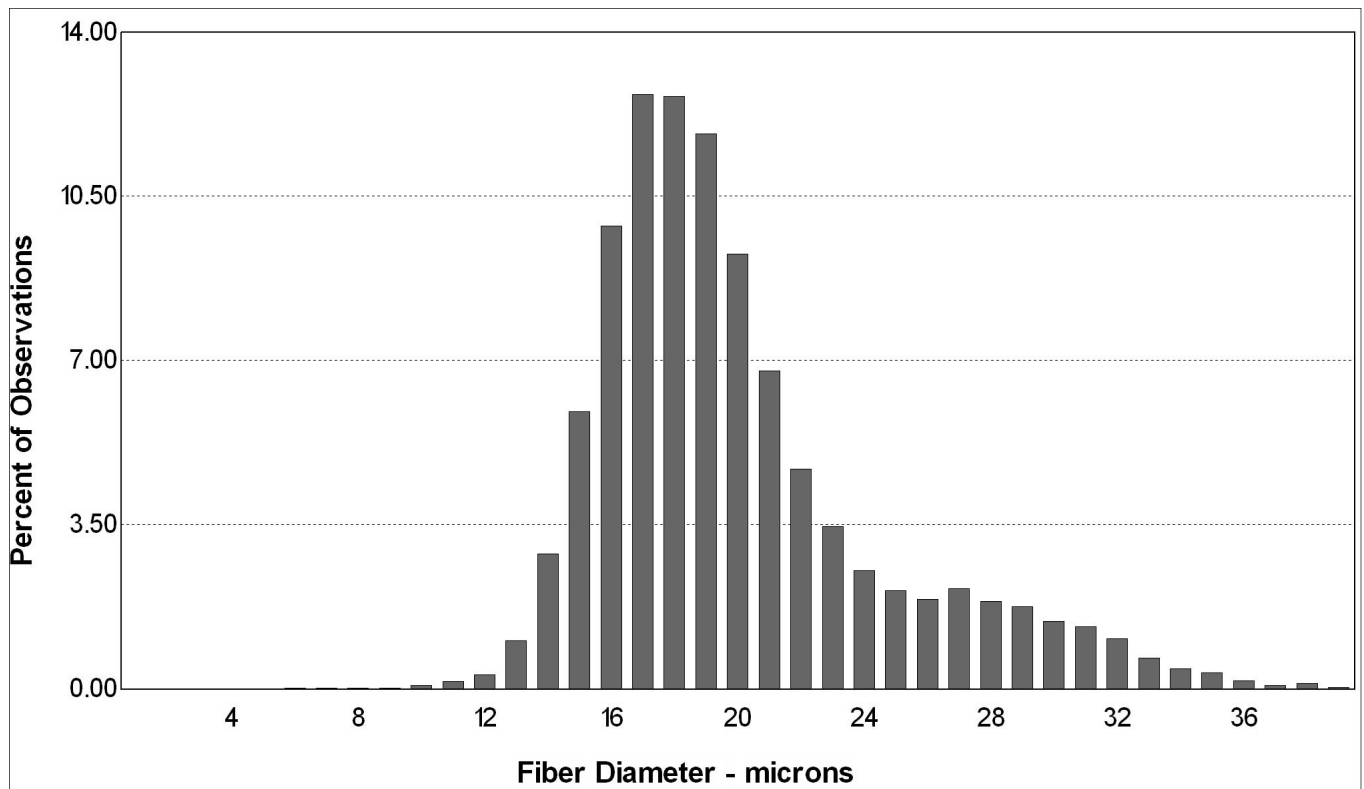
### Animal and Sample Description

**Animal Name:** North Platte Shawneebabe  
**ARI #:** 31876544  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** Lt Fawn

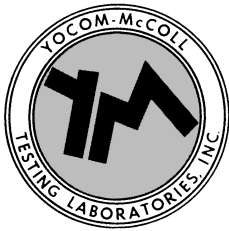
**Date of Birth (Age):** 08/13/12  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 6.40

### Laboratory Data

<b>Mean Fiber Diameter:</b>	20.1 microns	<b>Mean Staple Length:</b>	113.8 mm
<b>Standard Deviation:</b>	5.0 microns	<b>Length Standard Deviation:</b>	2.9 mm
<b>Coefficient of Variation:</b>	24.6 %	<b>Length Coefficient of Variation:</b>	2.5 %
<b>Spin Fineness:</b>	20.2 microns	<b>Mean Curvature:</b>	43.8 deg/mm
<b>Fibers Greater Than 30 microns:</b>	4.7 %	<b>SD Curvature:</b>	26.8 deg/mm
<b>Comfort Factor:</b>	95.3 %		



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North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48692  
**Test No:** 464211

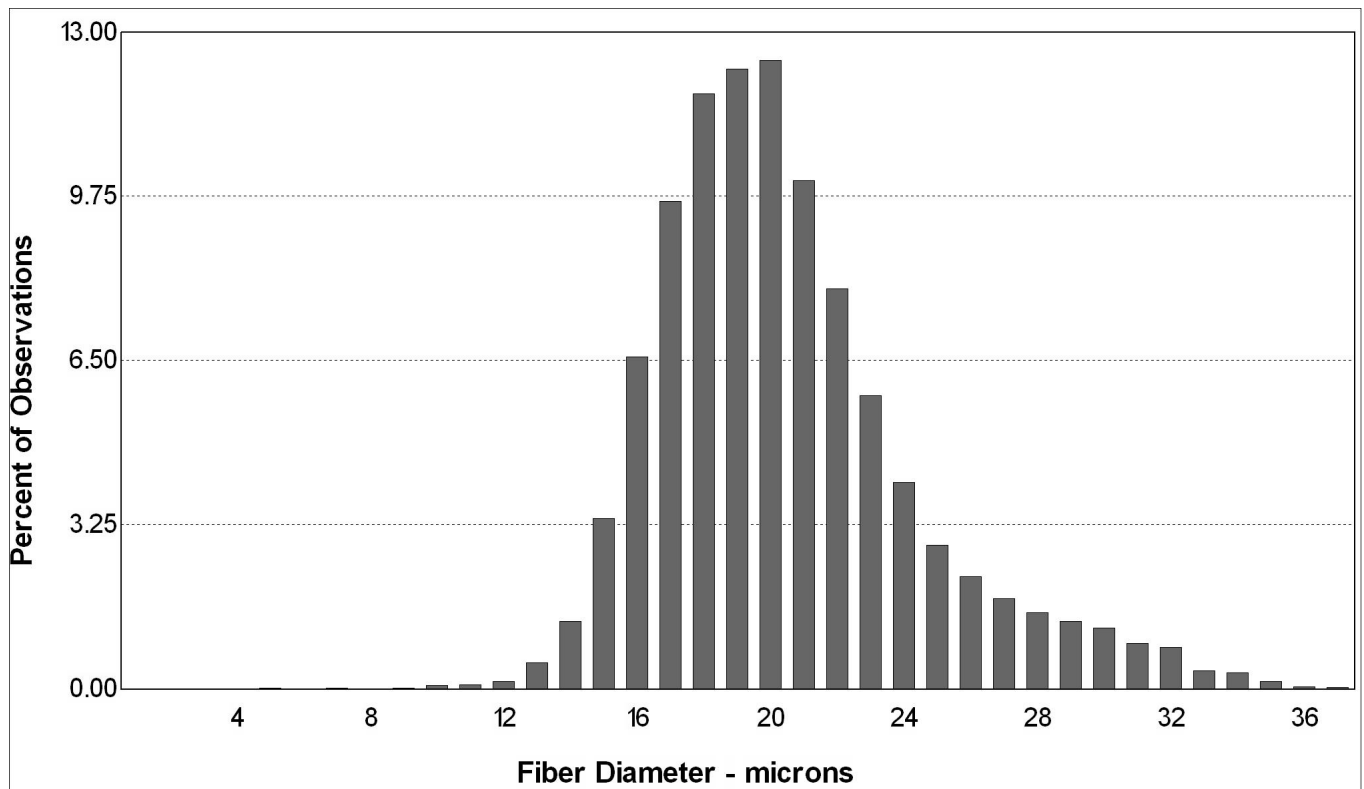
### Animal and Sample Description

**Animal Name:** North Platte Shoshonirose  
**ARI #:** 31876575  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** Lt Fawn

**Date of Birth (Age):** 06/06/12  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 6.00

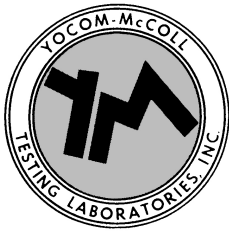
### Laboratory Data

<b>Mean Fiber Diameter:</b>	20.5 microns	<b>Mean Staple Length:</b>	118.0 mm
<b>Standard Deviation:</b>	4.2 microns	<b>Length Standard Deviation:</b>	3.7 mm
<b>Coefficient of Variation:</b>	20.5 %	<b>Length Coefficient of Variation:</b>	3.1 %
<b>Spin Fineness:</b>	19.9 microns	<b>Mean Curvature:</b>	45.5 deg/mm
<b>Fibers Greater Than 30 microns:</b>	2.9 %	<b>SD Curvature:</b>	25.2 deg/mm
<b>Comfort Factor:</b>	97.1 %		



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North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48681  
**Test No:** 464212

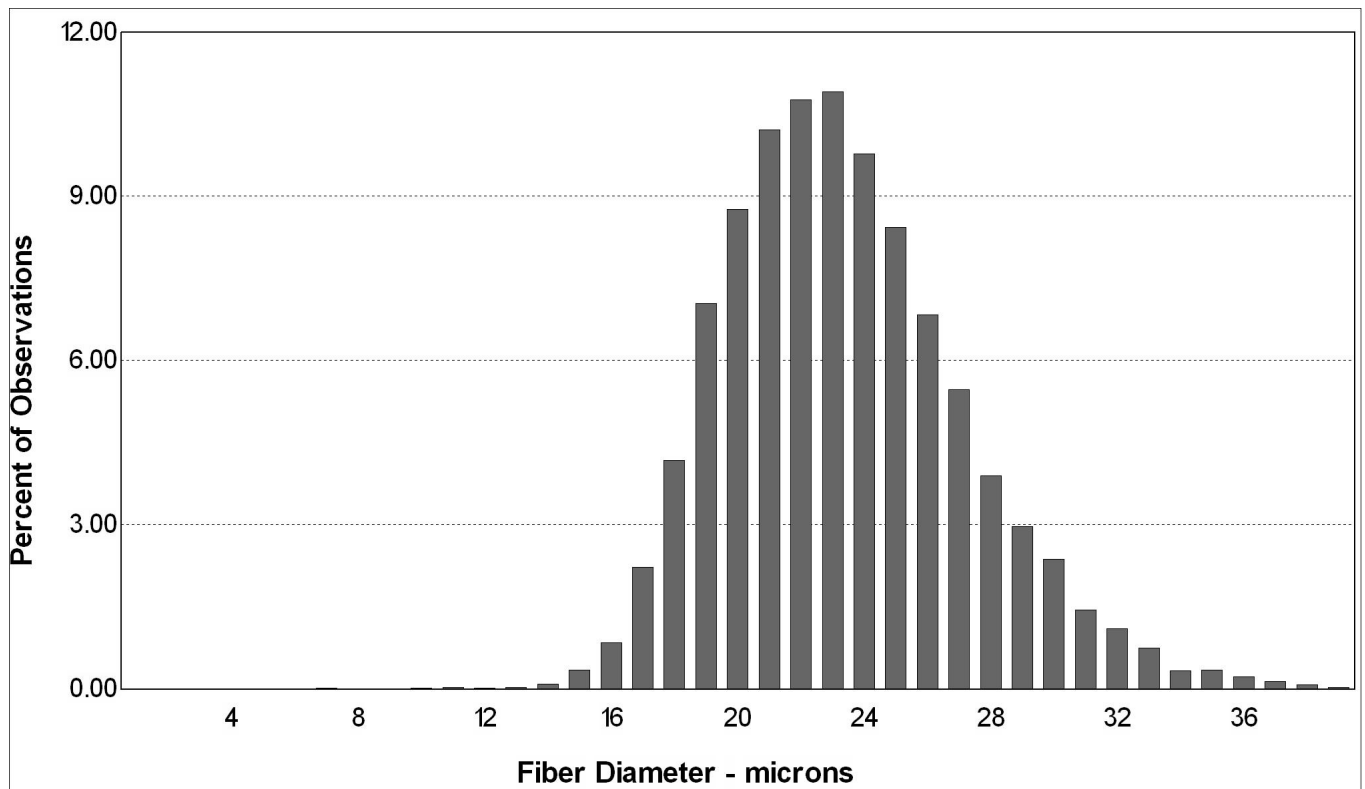
### Animal and Sample Description

**Animal Name:** Hobby Horse Peruvian Calle Lily  
**ARI #:** 30923294  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** Med Fawn

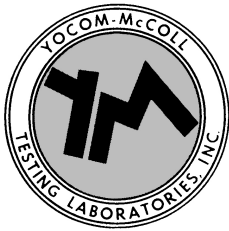
**Date of Birth (Age):** 08/02/07  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** 05/28/12  
**Total Fleece Wt (lbs):** 7.00

### Laboratory Data

<b>Mean Fiber Diameter:</b>	23.5 microns	<b>Mean Staple Length:</b>	70.6 mm
<b>Standard Deviation:</b>	4.1 microns	<b>Length Standard Deviation:</b>	0.9 mm
<b>Coefficient of Variation:</b>	17.3 %	<b>Length Coefficient of Variation:</b>	1.3 %
<b>Spin Fineness:</b>	22.1 microns	<b>Mean Curvature:</b>	43.1 deg/mm
<b>Fibers Greater Than 30 microns:</b>	4.8 %	<b>SD Curvature:</b>	24.7 deg/mm
<b>Comfort Factor:</b>	95.2 %		



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20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48685  
**Test No:** 464213

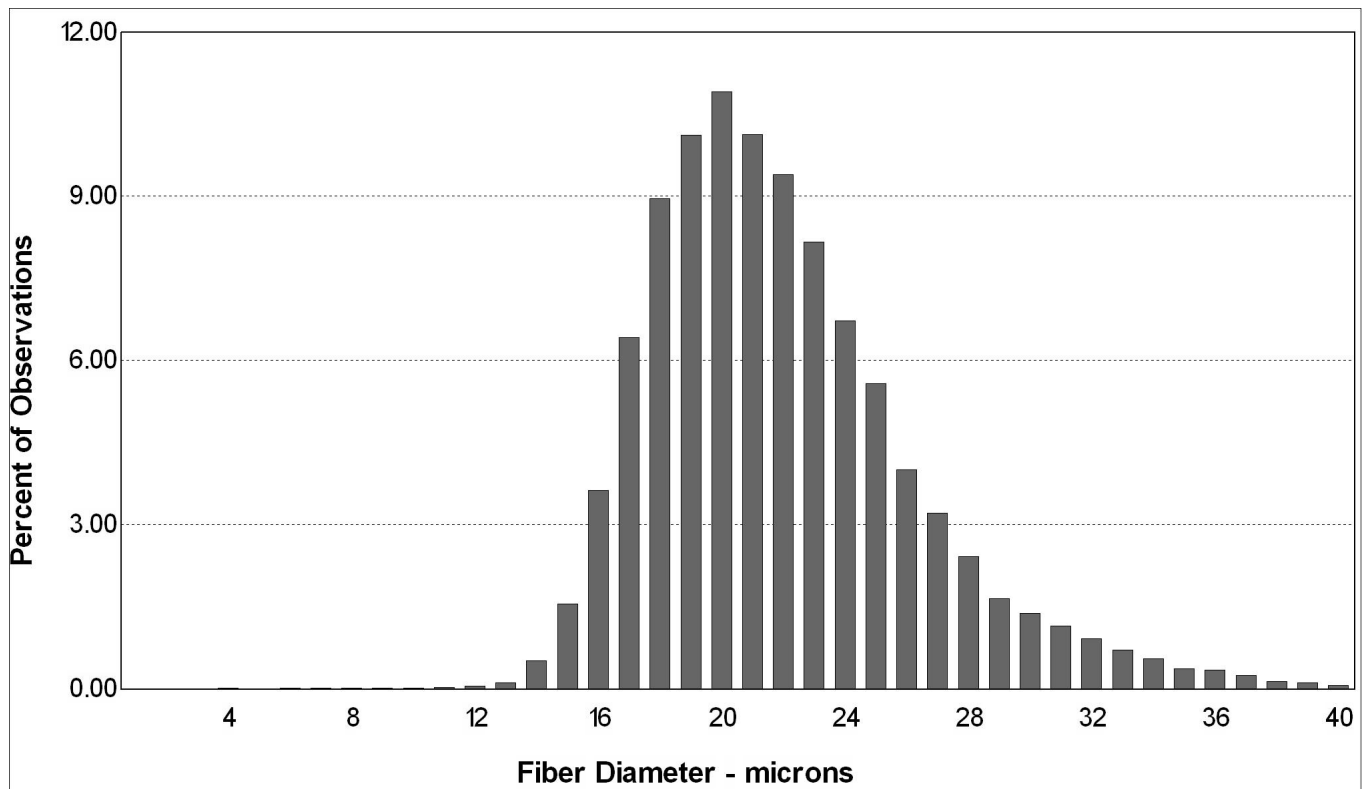
### Animal and Sample Description

**Animal Name:** North Platte JoseyWales  
**ARI #:** 31580359  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** Lt Fawn

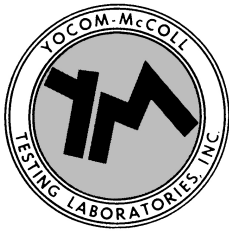
**Date of Birth (Age):** 06/07/11  
**Sample Location:** Side  
**Sample Date:** 05/30/13  
**Previous Shear Date:** 05/28/12  
**Total Fleece Wt (lbs):** 8.40

### Laboratory Data

<b>Mean Fiber Diameter:</b>	22.0 microns	<b>Mean Staple Length:</b>	99.4 mm
<b>Standard Deviation:</b>	4.6 microns	<b>Length Standard Deviation:</b>	3.2 mm
<b>Coefficient of Variation:</b>	20.9 %	<b>Length Coefficient of Variation:</b>	3.2 %
<b>Spin Fineness:</b>	21.4 microns	<b>Mean Curvature:</b>	43.9 deg/mm
<b>Fibers Greater Than 30 microns:</b>	5.0 %	<b>SD Curvature:</b>	25.6 deg/mm
<b>Comfort Factor:</b>	95.0 %		



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20 Wagon Rd  
Glenrock WY 82637 USA

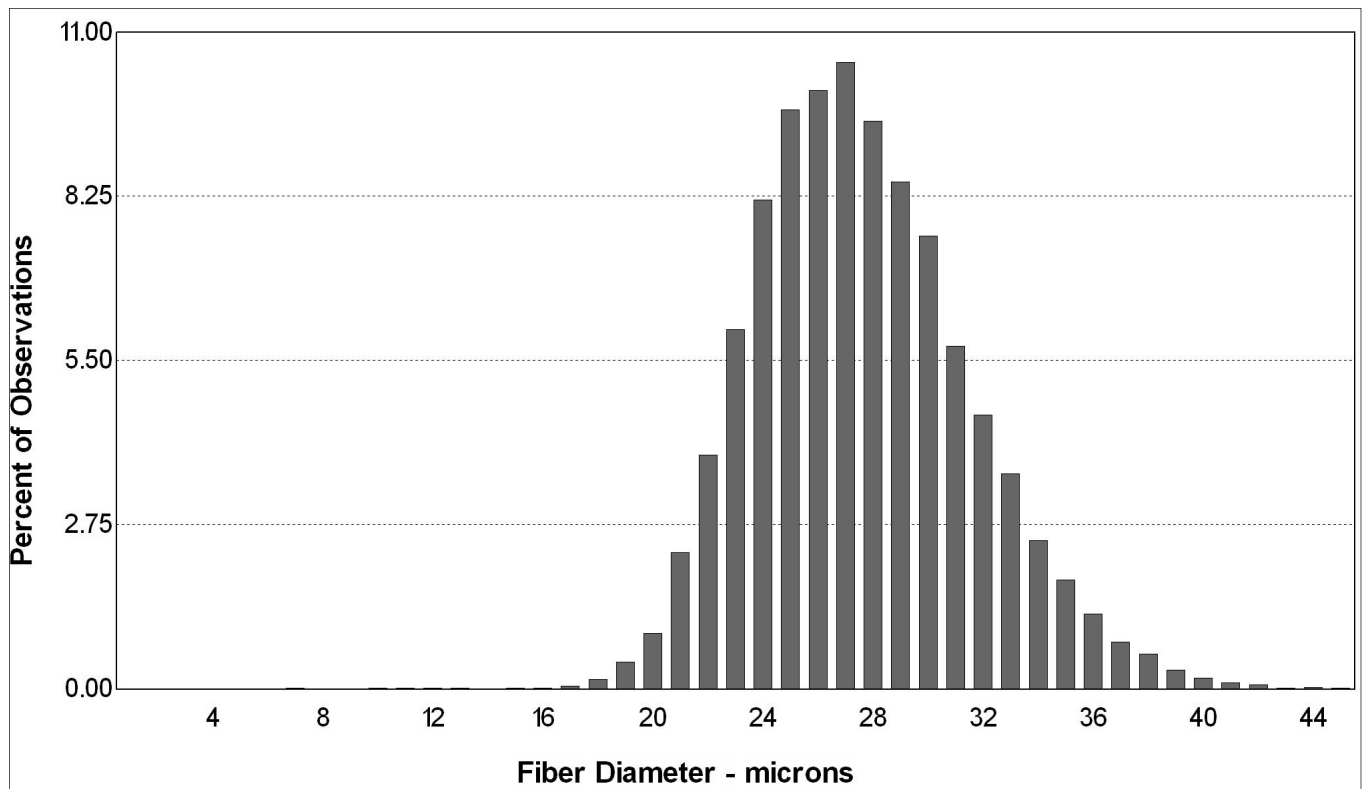
**Date:** 07/31/13  
**Shear ID:** 48687  
**Test No:** 464214

### Animal and Sample Description

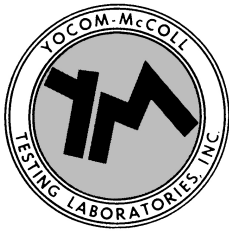
<b>Animal Name:</b>	North Platte Mocha Molly	<b>Date of Birth (Age):</b>	09/02/10
<b>ARI #:</b>	31580434	<b>Sample Location:</b>	Side
<b>Breed:</b>	Alpaca(Huacaya)	<b>Sample Date:</b>	05/30/13
<b>Sex:</b>	Female	<b>Previous Shear Date:</b>	05/28/12
<b>Color:</b>	True Black	<b>Total Fleece Wt (lbs):</b>	7.40

### Laboratory Data

<b>Mean Fiber Diameter:</b>	27.8 microns	<b>Mean Staple Length:</b>	82.0 mm
<b>Standard Deviation:</b>	4.5 microns	<b>Length Standard Deviation:</b>	1.6 mm
<b>Coefficient of Variation:</b>	16.3 %	<b>Length Coefficient of Variation:</b>	1.9 %
<b>Spin Fineness:</b>	26.0 microns	<b>Mean Curvature:</b>	31.6 deg/mm
<b>Fibers Greater Than 30 microns:</b>	22.1 %	<b>SD Curvature:</b>	18.6 deg/mm
<b>Comfort Factor:</b>	77.9 %		



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Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48694  
**Test No:** 464215

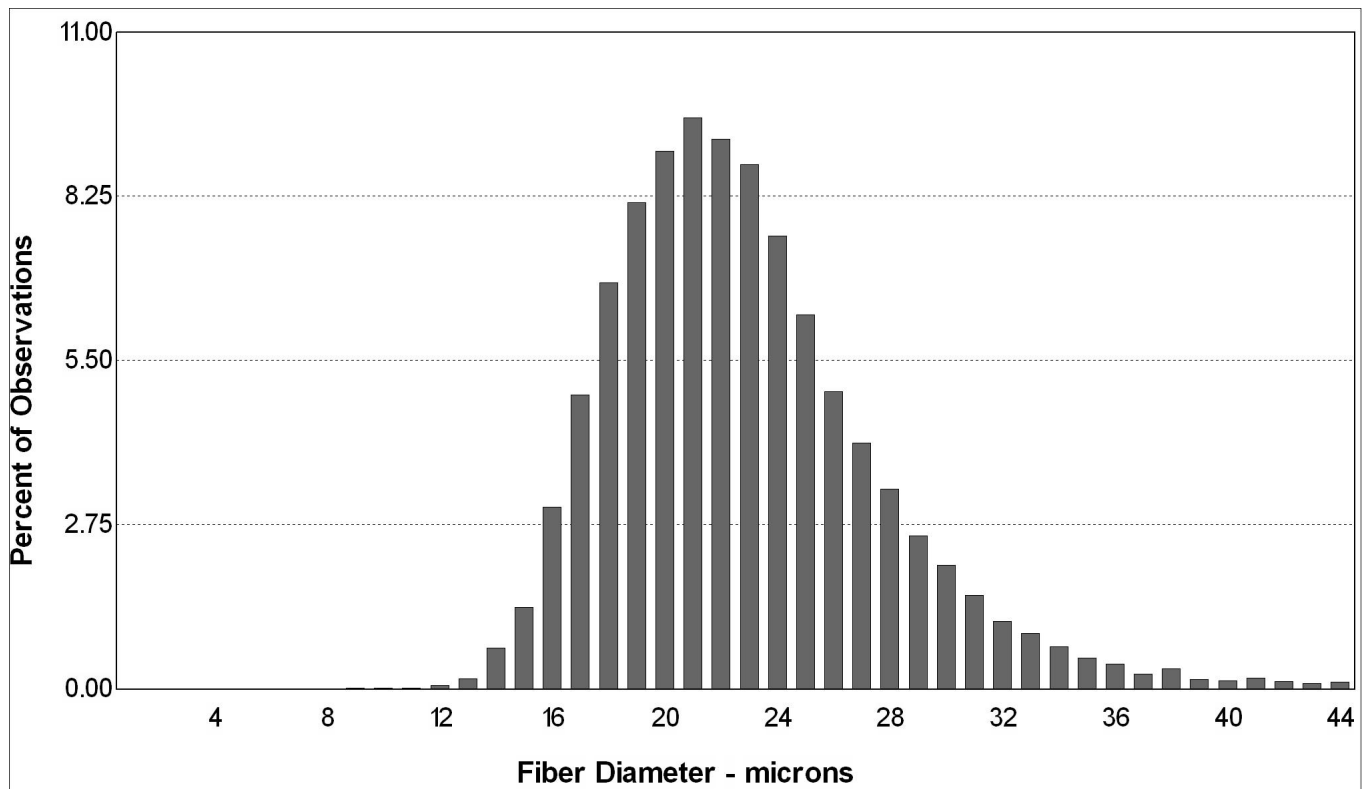
### Animal and Sample Description

**Animal Name:** North Platte Sweet Della  
**ARI #:** 31580465  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** Lt Fawn

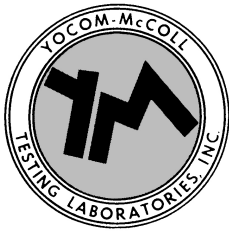
**Date of Birth (Age):** 05/24/10  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** 05/28/12  
**Total Fleece Wt (lbs):** 5.82

### Laboratory Data

<b>Mean Fiber Diameter:</b>	23.0 microns	<b>Mean Staple Length:</b>	64.4 mm
<b>Standard Deviation:</b>	5.3 microns	<b>Length Standard Deviation:</b>	1.3 mm
<b>Coefficient of Variation:</b>	23.0 %	<b>Length Coefficient of Variation:</b>	2.1 %
<b>Spin Fineness:</b>	22.8 microns	<b>Mean Curvature:</b>	48.5 deg/mm
<b>Fibers Greater Than 30 microns:</b>	7.3 %	<b>SD Curvature:</b>	31.8 deg/mm
<b>Comfort Factor:</b>	92.7 %		



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20 Wagon Rd  
Glenrock WY 82637 USA

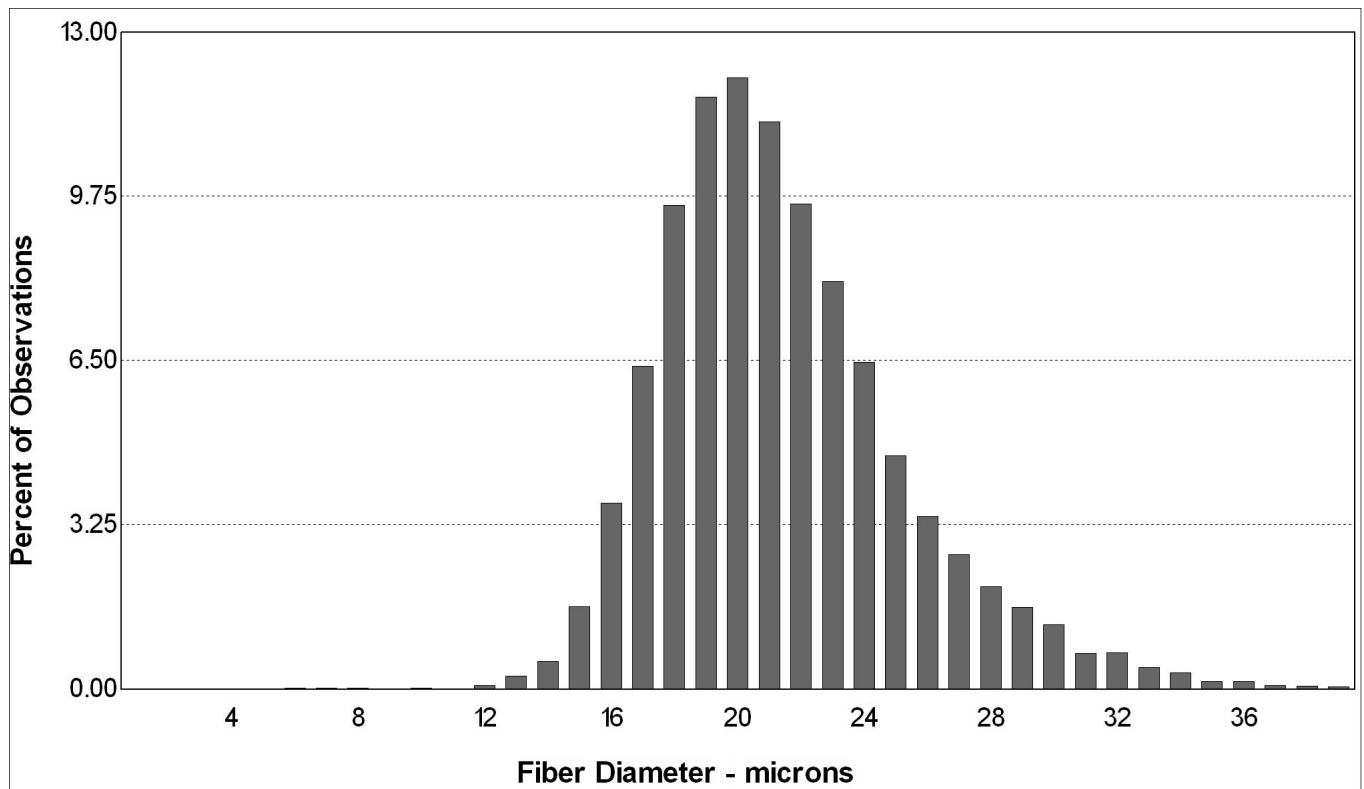
**Date:** 07/31/13  
**Shear ID:** 48682  
**Test No:** 464216

### Animal and Sample Description

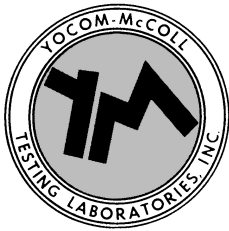
<b>Animal Name:</b> Hobby Horse Peruvian Mercedes Benz	<b>Date of Birth (Age):</b> 06/05/02
<b>ARI #:</b> 837265	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Huacaya)	<b>Sample Date:</b> 05/30/13
<b>Sex:</b> Male	<b>Previous Shear Date:</b> 05/28/12
<b>Color:</b> Med Fawn	<b>Total Fleece Wt (lbs):</b> 7.74

### Laboratory Data

<b>Mean Fiber Diameter:</b> 21.6 microns	<b>Mean Staple Length:</b> 67.6 mm
<b>Standard Deviation:</b> 4.4 microns	<b>Length Standard Deviation:</b> 2.1 mm
<b>Coefficient of Variation:</b> 20.3 %	<b>Length Coefficient of Variation:</b> 3.1 %
<b>Spin Fineness:</b> 20.9 microns	<b>Mean Curvature:</b> 42.9 deg/mm
<b>Fibers Greater Than 30 microns:</b> 3.1 %	<b>SD Curvature:</b> 24.7 deg/mm
<b>Comfort Factor:</b> 96.9 %	



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



# Yocom-McColl Testing Laboratories, Inc.

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

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

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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48686  
**Test No:** 464217

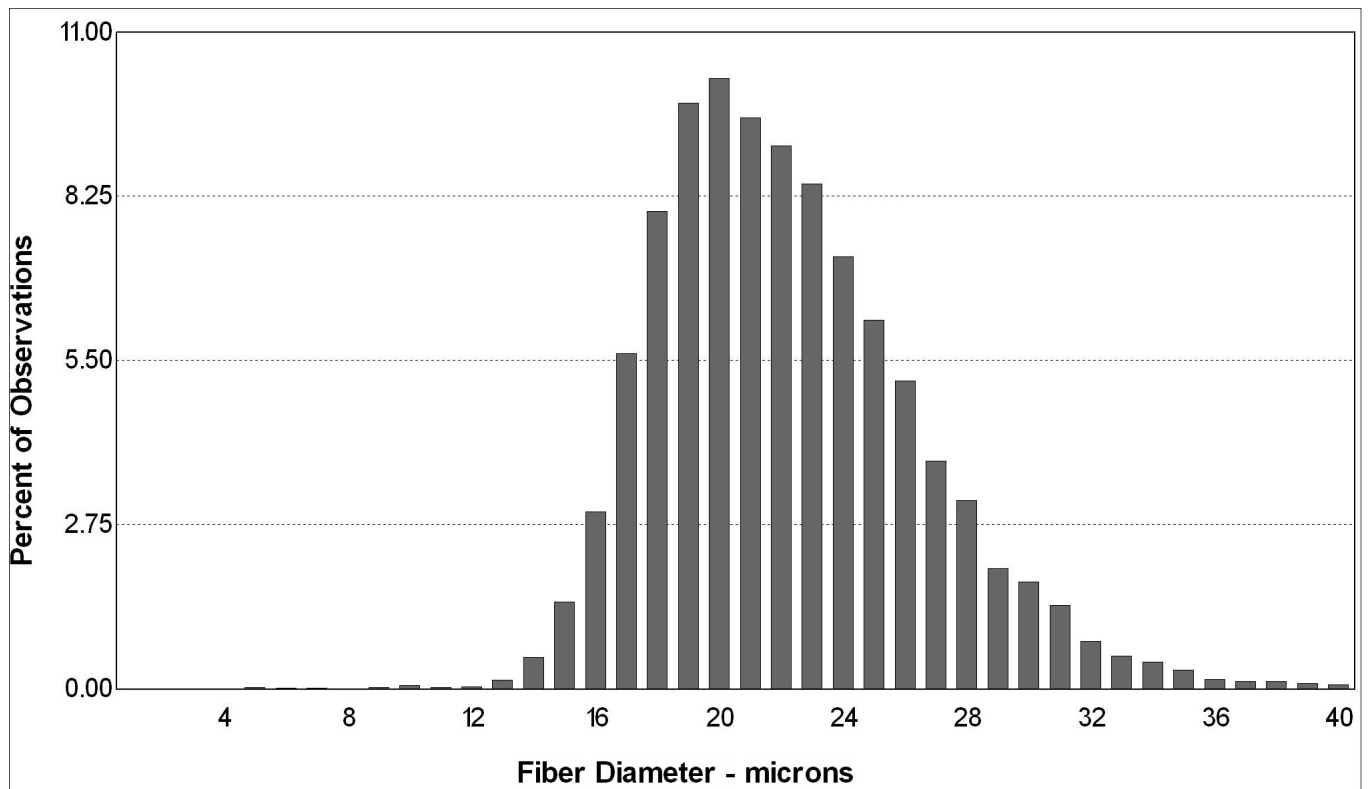
### Animal and Sample Description

**Animal Name:** North Platte MistyMei  
**ARI #:** 31876568  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** Lt Brown

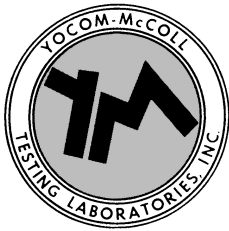
**Date of Birth (Age):** 07/02/12  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 6.20

### Laboratory Data

<b>Mean Fiber Diameter:</b>	22.3 microns	<b>Mean Staple Length:</b>	107.4 mm
<b>Standard Deviation:</b>	4.5 microns	<b>Length Standard Deviation:</b>	3.4 mm
<b>Coefficient of Variation:</b>	20.4 %	<b>Length Coefficient of Variation:</b>	3.2 %
<b>Spin Fineness:</b>	21.6 microns	<b>Mean Curvature:</b>	38.4 deg/mm
<b>Fibers Greater Than 30 microns:</b>	4.6 %	<b>SD Curvature:</b>	22.5 deg/mm
<b>Comfort Factor:</b>	95.4 %		



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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

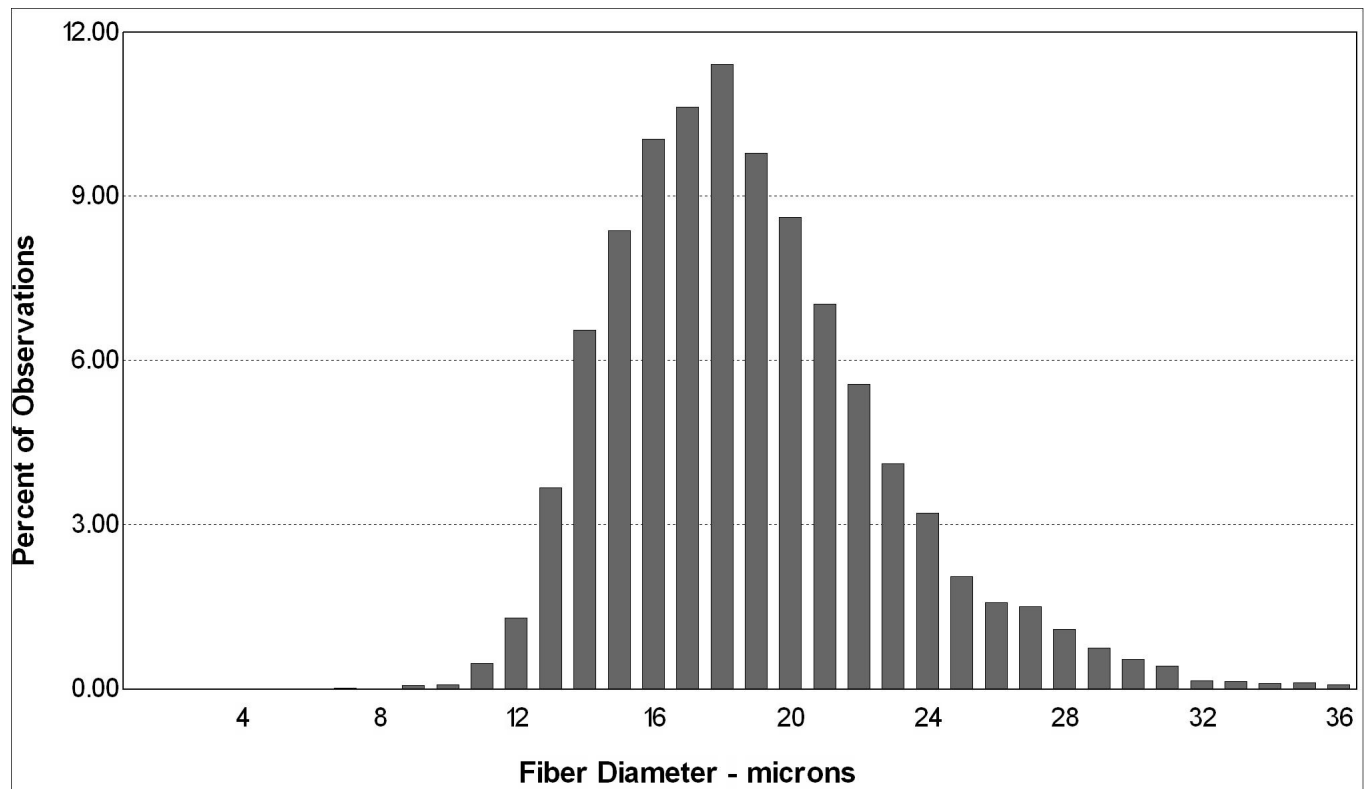
**Date:** 07/31/13  
**Shear ID:** 48683  
**Test No:** 464218

### Animal and Sample Description

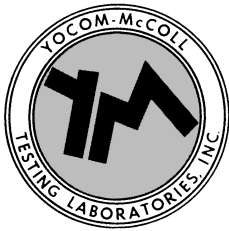
<b>Animal Name:</b>	Lady Liberty Of Sleeping Giant	<b>Date of Birth (Age):</b>	07/06/09
<b>ARI #:</b>	31651158	<b>Sample Location:</b>	Side
<b>Breed:</b>	Alpaca(Huacaya)	<b>Sample Date:</b>	05/31/13
<b>Sex:</b>	Female	<b>Previous Shear Date:</b>	05/28/12
<b>Color:</b>	Dark Fawn	<b>Total Fleece Wt (lbs):</b>	5.90

### Laboratory Data

<b>Mean Fiber Diameter:</b>	18.9 microns	<b>Mean Staple Length:</b>	70.8 mm
<b>Standard Deviation:</b>	4.3 microns	<b>Length Standard Deviation:</b>	1.6 mm
<b>Coefficient of Variation:</b>	22.8 %	<b>Length Coefficient of Variation:</b>	2.3 %
<b>Spin Fineness:</b>	18.7 microns	<b>Mean Curvature:</b>	52.4 deg/mm
<b>Fibers Greater Than 30 microns:</b>	1.6 %	<b>SD Curvature:</b>	31.7 deg/mm
<b>Comfort Factor:</b>	98.4 %		



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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48695  
**Test No:** 464219

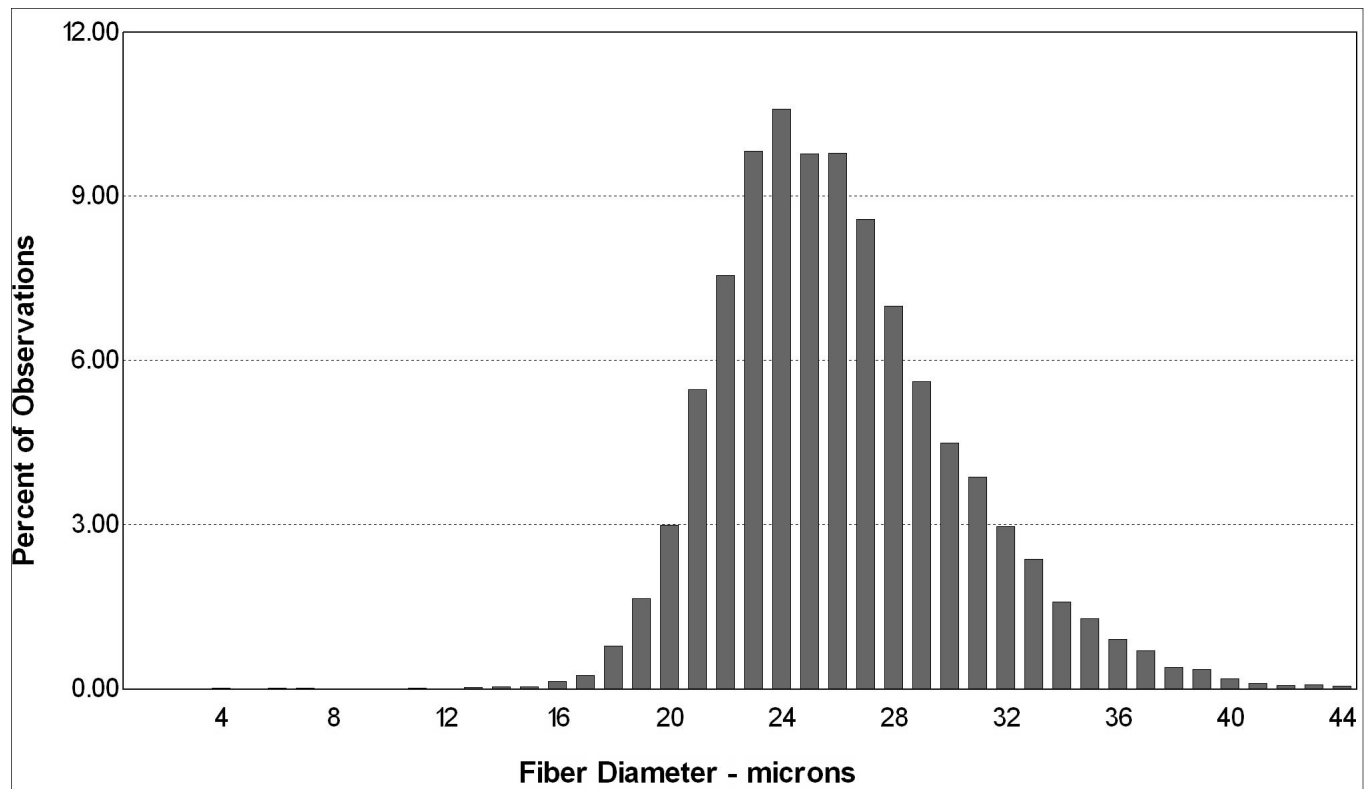
### Animal and Sample Description

**Animal Name:** North Platte Sweet Licorice  
**ARI #:** 30676763  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** True Black

**Date of Birth (Age):** 10/01/06  
**Sample Location:** Side  
**Sample Date:** 05/30/13  
**Previous Shear Date:** 05/28/12  
**Total Fleece Wt (lbs):** 5.80

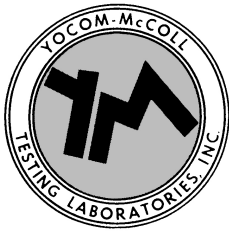
### Laboratory Data

<b>Mean Fiber Diameter:</b>	26.2 microns	<b>Mean Staple Length:</b>	63.6 mm
<b>Standard Deviation:</b>	4.6 microns	<b>Length Standard Deviation:</b>	2.1 mm
<b>Coefficient of Variation:</b>	17.4 %	<b>Length Coefficient of Variation:</b>	3.3 %
<b>Spin Fineness:</b>	24.8 microns	<b>Mean Curvature:</b>	29.8 deg/mm
<b>Fibers Greater Than 30 microns:</b>	15.4 %	<b>SD Curvature:</b>	20.0 deg/mm
<b>Comfort Factor:</b>	84.6 %		



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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48680  
**Test No:** 464220

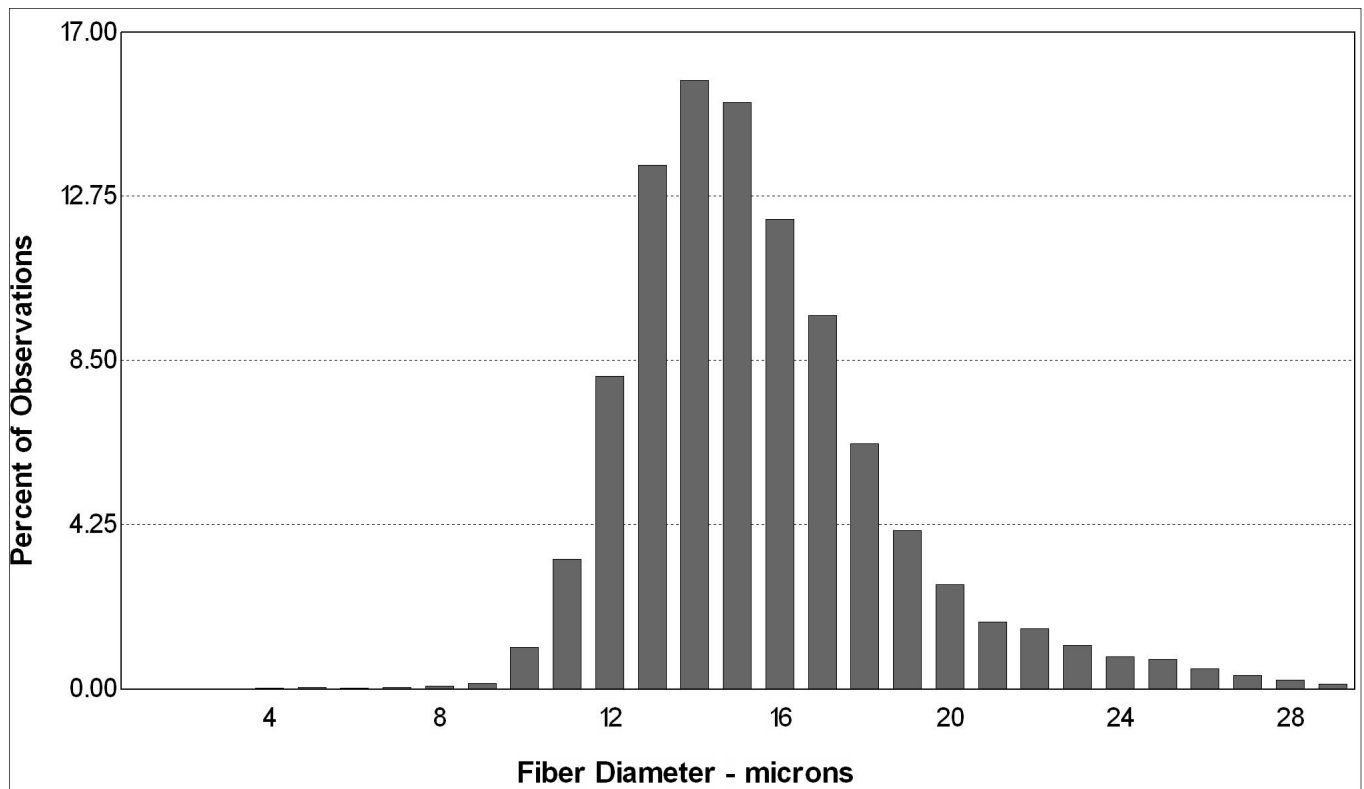
### Animal and Sample Description

**Animal Name:** Artic's Warbonnet  
**ARI #:** 31876742  
**Breed:** Alpaca(Huacaya)  
**Sex:** Male  
**Color:** Med Fawn

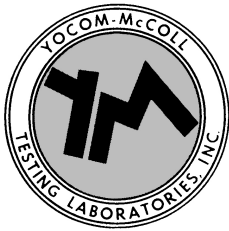
**Date of Birth (Age):** 08/14/12  
**Sample Location:** Side  
**Sample Date:** 05/30/13  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 6.60

### Laboratory Data

<b>Mean Fiber Diameter:</b>	15.6 microns	<b>Mean Staple Length:</b>	122.2 mm
<b>Standard Deviation:</b>	3.5 microns	<b>Length Standard Deviation:</b>	6.3 mm
<b>Coefficient of Variation:</b>	22.6 %	<b>Length Coefficient of Variation:</b>	5.1 %
<b>Spin Fineness:</b>	15.4 microns	<b>Mean Curvature:</b>	49.5 deg/mm
<b>Fibers Greater Than 30 microns:</b>	0.4 %	<b>SD Curvature:</b>	30.7 deg/mm
<b>Comfort Factor:</b>	99.6 %		



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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48693  
**Test No:** 464221

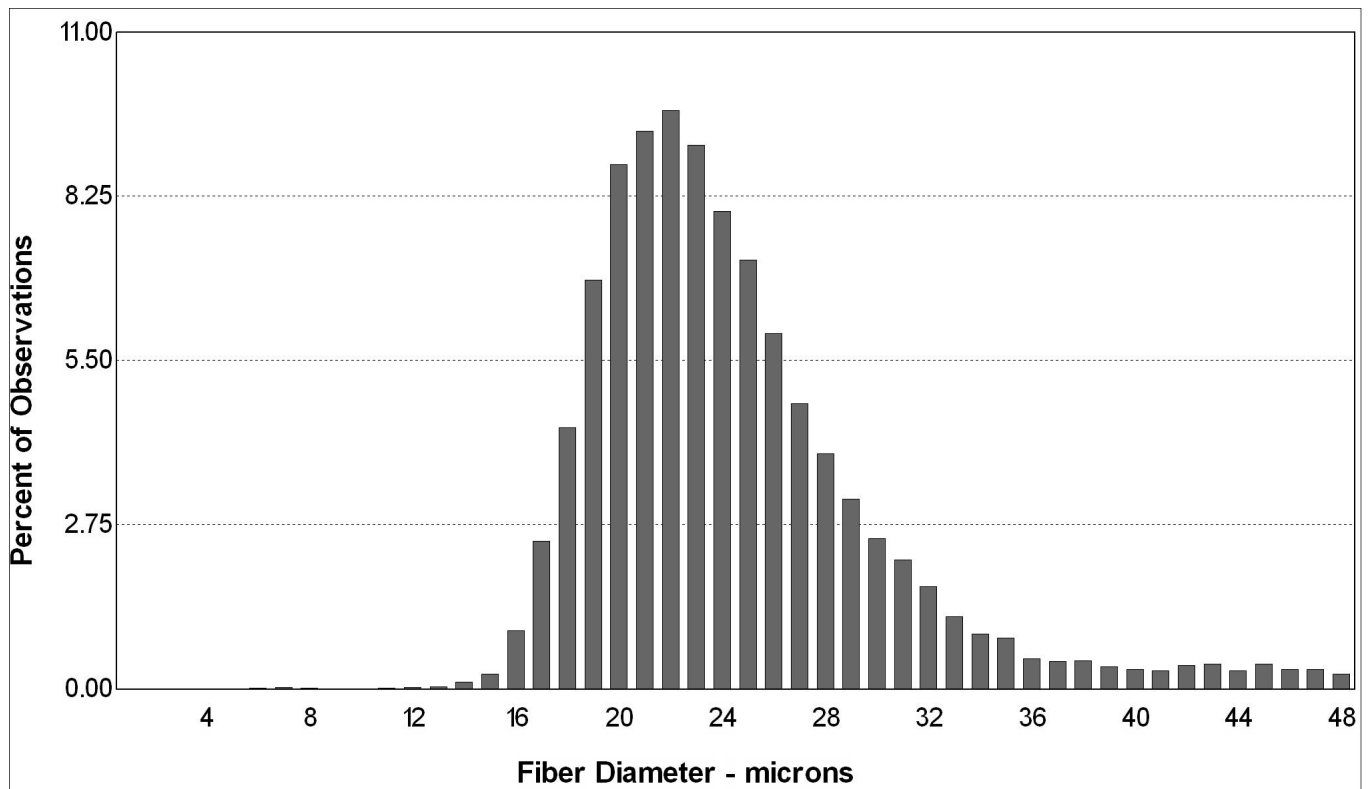
### Animal and Sample Description

**Animal Name:** North Platte StarMei  
**ARI #:** 31876490  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** Med Brown

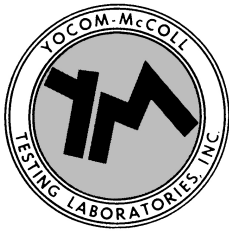
**Date of Birth (Age):** 07/13/11  
**Sample Location:** Side  
**Sample Date:** 05/31/13  
**Previous Shear Date:** 05/28/12  
**Total Fleece Wt (lbs):** 6.20

### Laboratory Data

<b>Mean Fiber Diameter:</b>	24.6 microns	<b>Mean Staple Length:</b>	106.6 mm
<b>Standard Deviation:</b>	6.1 microns	<b>Length Standard Deviation:</b>	1.1 mm
<b>Coefficient of Variation:</b>	24.7 %	<b>Length Coefficient of Variation:</b>	1.1 %
<b>Spin Fineness:</b>	24.8 microns	<b>Mean Curvature:</b>	32.3 deg/mm
<b>Fibers Greater Than 30 microns:</b>	12.4 %	<b>SD Curvature:</b>	20.5 deg/mm
<b>Comfort Factor:</b>	87.6 %		



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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

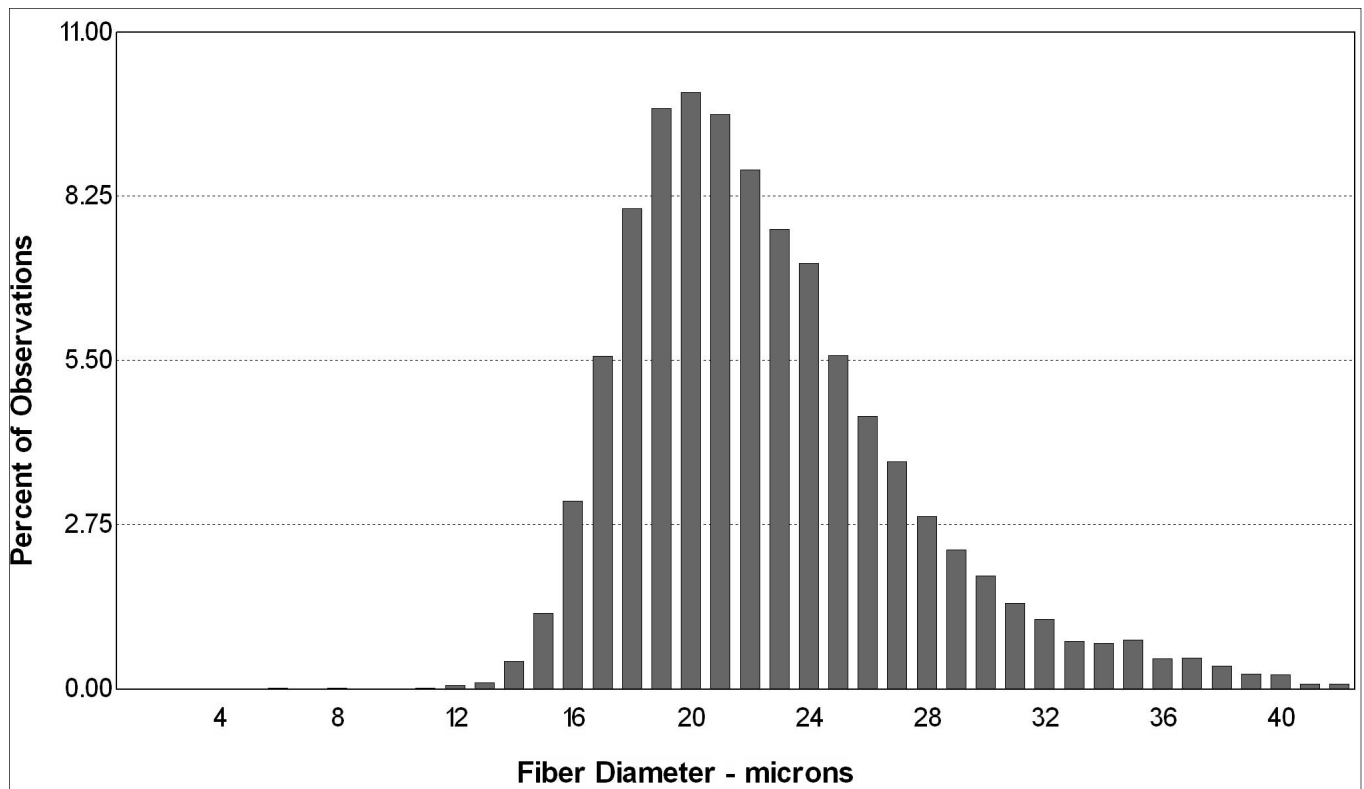
**Date:** 07/31/13  
**Shear ID:** 48690  
**Test No:** 464222

### Animal and Sample Description

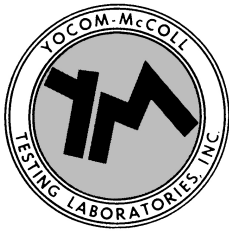
<b>Animal Name:</b>	North Platte Sandollar	<b>Date of Birth (Age):</b>	07/22/10
<b>ARI #:</b>	31580427	<b>Sample Location:</b>	Side
<b>Breed:</b>	Alpaca(Huacaya)	<b>Sample Date:</b>	05/30/13
<b>Sex:</b>	Male	<b>Previous Shear Date:</b>	05/28/12
<b>Color:</b>	Lt Fawn	<b>Total Fleece Wt (lbs):</b>	10.40

### Laboratory Data

<b>Mean Fiber Diameter:</b>	22.7 microns	<b>Mean Staple Length:</b>	89.8 mm
<b>Standard Deviation:</b>	5.1 microns	<b>Length Standard Deviation:</b>	4.8 mm
<b>Coefficient of Variation:</b>	22.4 %	<b>Length Coefficient of Variation:</b>	5.3 %
<b>Spin Fineness:</b>	22.3 microns	<b>Mean Curvature:</b>	42.2 deg/mm
<b>Fibers Greater Than 30 microns:</b>	7.4 %	<b>SD Curvature:</b>	24.6 deg/mm
<b>Comfort Factor:</b>	92.6 %		



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



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

North Platte Alpacas/Francis & Vicki Horn  
20 Wagon Rd  
Glenrock WY 82637 USA

**Date:** 07/31/13  
**Shear ID:** 48684  
**Test No:** 464223

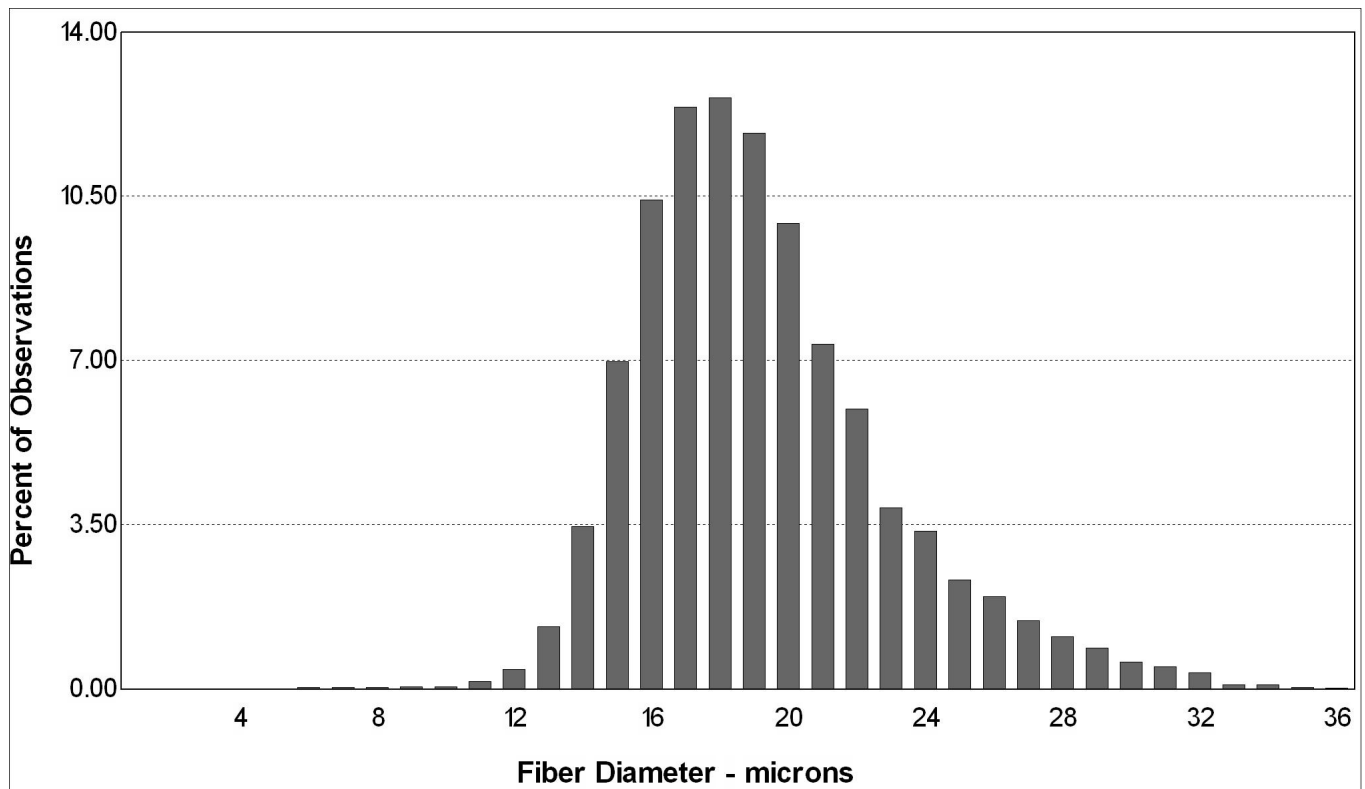
### Animal and Sample Description

**Animal Name:** North Platte Crickett  
**ARI #:** 31876551  
**Breed:** Alpaca(Huacaya)  
**Sex:** Female  
**Color:** Lt Fawn

**Date of Birth (Age):** 07/07/12  
**Sample Location:** Side  
**Sample Date:** 05/30/13  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 5.72

### Laboratory Data

<b>Mean Fiber Diameter:</b>	19.4 microns	<b>Mean Staple Length:</b>	129.2 mm
<b>Standard Deviation:</b>	4.2 microns	<b>Length Standard Deviation:</b>	4.7 mm
<b>Coefficient of Variation:</b>	21.6 %	<b>Length Coefficient of Variation:</b>	3.6 %
<b>Spin Fineness:</b>	18.9 microns	<b>Mean Curvature:</b>	43.7 deg/mm
<b>Fibers Greater Than 30 microns:</b>	1.5 %	<b>SD Curvature:</b>	25.4 deg/mm
<b>Comfort Factor:</b>	98.5 %		



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