



# 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

Fern Creek Farm, LLC/Jackie King  
6 Clermont Ln  
Saint Louis MO 63124-1304 USA

Date: 07/24/19  
Shear ID: 186461  
Test No: 977176

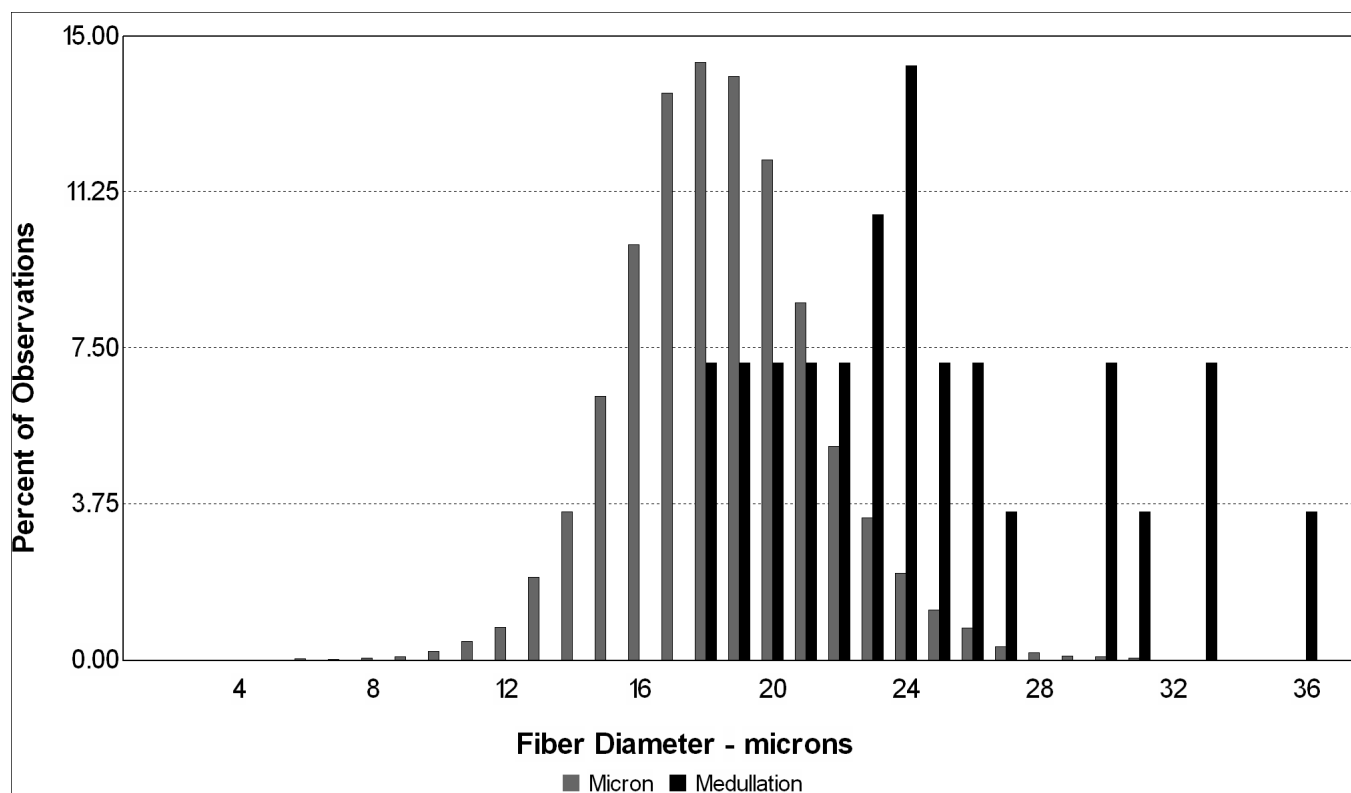
### Animal and Sample Description

**Animal Name:** Lady Bethany of SURI & CO  
**ARI #:** 35567417  
**Breed:** Alpaca(Suri)  
**Sex:** Female  
**Color:** White

**Date of Birth (Age):** 05/27/18  
**Sample Location:** Side  
**Sample Date:** 05/15/19  
**Previous Shear Date:** XX/XX/XX  
**Total Fleece Wt (lbs):** 4.12

### Laboratory Data

<b>Mean Fiber Diameter:</b>	18.6 microns	<b>Mean Staple Length:</b>	207.0 mm
<b>Standard Deviation:</b>	3.2 microns	<b>Length Standard Deviation:</b>	4.5 mm
<b>Coefficient of Variation:</b>	17.3 %	<b>Length Coefficient of Variation:</b>	2.2 %
<b>Spin Fineness:</b>	17.6 microns	<b>Mean Curvature:</b>	13.2 deg/mm
<b>Fibers Greater Than 30 microns:</b>	0.5 %	<b>SD Curvature:</b>	14.6 deg/mm
<b>Comfort Factor:</b>	99.5 %	<b>Medullated Fibers:</b>	0.2 %



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



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6 Clermont Ln  
Saint Louis MO 63124-1304 USA

Date: 07/24/19  
Shear ID: 186460  
Test No: 977177

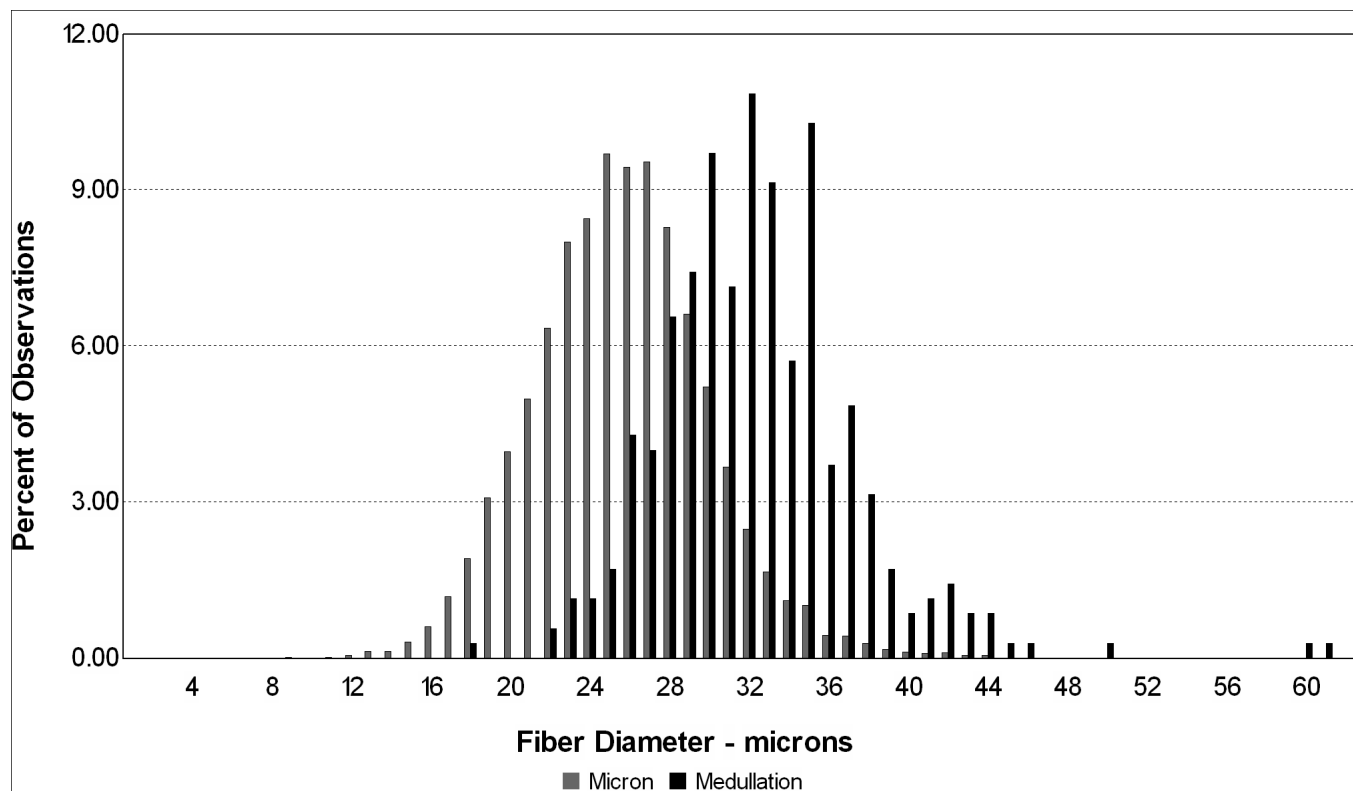
### Animal and Sample Description

**Animal Name:** BBFAI Tardy For The Party  
**ARI #:** 35316671  
**Breed:** Alpaca(Suri)  
**Sex:** Female  
**Color:** White

**Date of Birth (Age):** 08/17/15  
**Sample Location:** Side  
**Sample Date:** 04/14/19  
**Previous Shear Date:** 04/15/18  
**Total Fleece Wt (lbs):** 9.20

### Laboratory Data

<b>Mean Fiber Diameter:</b>	25.7 microns	<b>Mean Staple Length:</b>	163.6 mm
<b>Standard Deviation:</b>	4.6 microns	<b>Length Standard Deviation:</b>	5.4 mm
<b>Coefficient of Variation:</b>	17.9 %	<b>Length Coefficient of Variation:</b>	3.3 %
<b>Spin Fineness:</b>	24.4 microns	<b>Mean Curvature:</b>	8.4 deg/mm
<b>Fibers Greater Than 30 microns:</b>	12.0 %	<b>SD Curvature:</b>	9.4 deg/mm
<b>Comfort Factor:</b>	88.0 %	<b>Medullated Fibers:</b>	4.0 %



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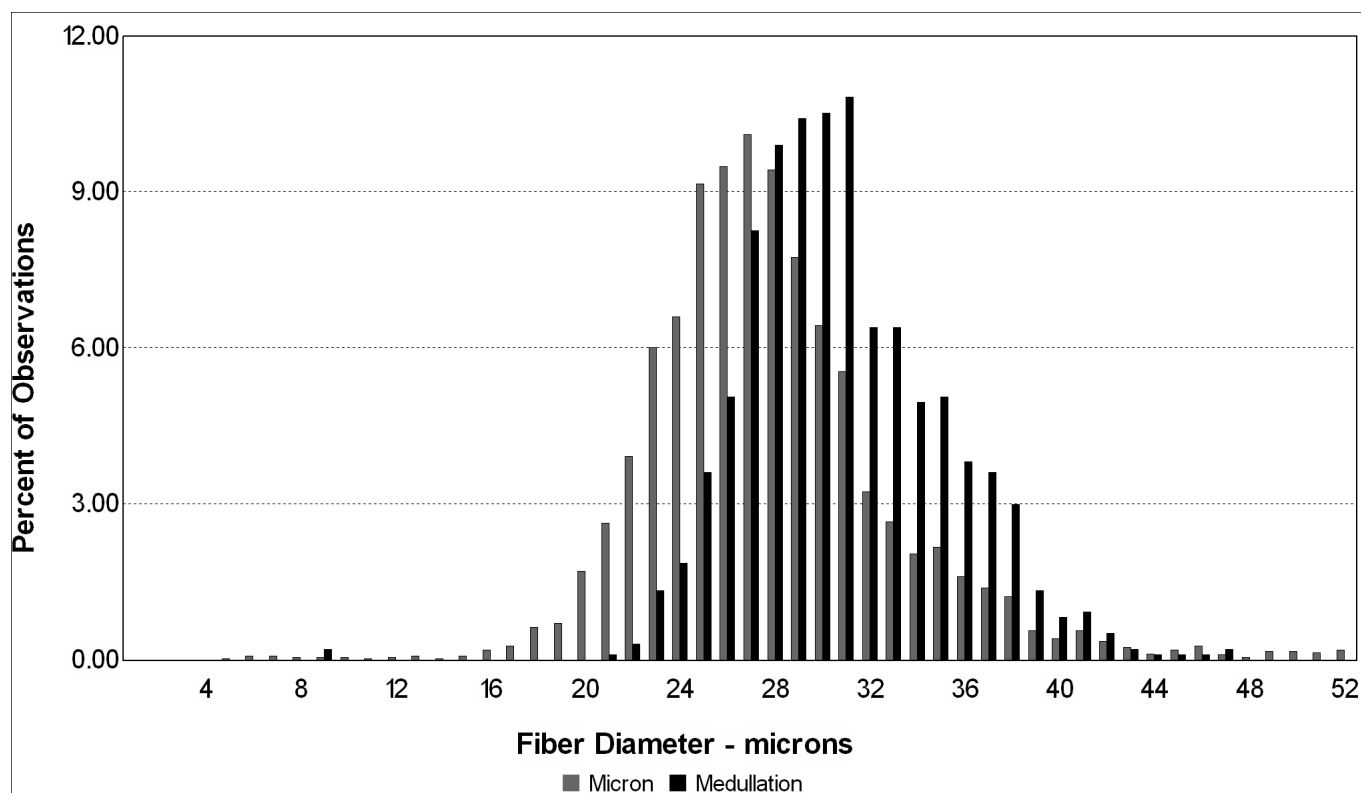
Date: 07/24/19  
Shear ID: 186466  
Test No: 977178

### Animal and Sample Description

<b>Animal Name:</b> Tikanui's Fresca of Harmony	<b>Date of Birth (Age):</b> 09/09/16
<b>ARI #:</b> 35082590	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Suri)	<b>Sample Date:</b> 04/14/19
<b>Sex:</b> Female	<b>Previous Shear Date:</b> 05/21/18
<b>Color:</b> White	<b>Total Fleece Wt (lbs):</b> 8.40

### Laboratory Data

<b>Mean Fiber Diameter:</b> 28.2 microns	<b>Mean Staple Length:</b> 151.4 mm
<b>Standard Deviation:</b> 6.0 microns	<b>Length Standard Deviation:</b> 4.8 mm
<b>Coefficient of Variation:</b> 21.2 %	<b>Length Coefficient of Variation:</b> 3.2 %
<b>Spin Fineness:</b> 27.5 microns	<b>Mean Curvature:</b> 9.5 deg/mm
<b>Fibers Greater Than 30 microns:</b> 24.4 %	<b>SD Curvature:</b> 9.5 deg/mm
<b>Comfort Factor:</b> 75.6 %	<b>Medullated Fibers:</b> 23.6 %



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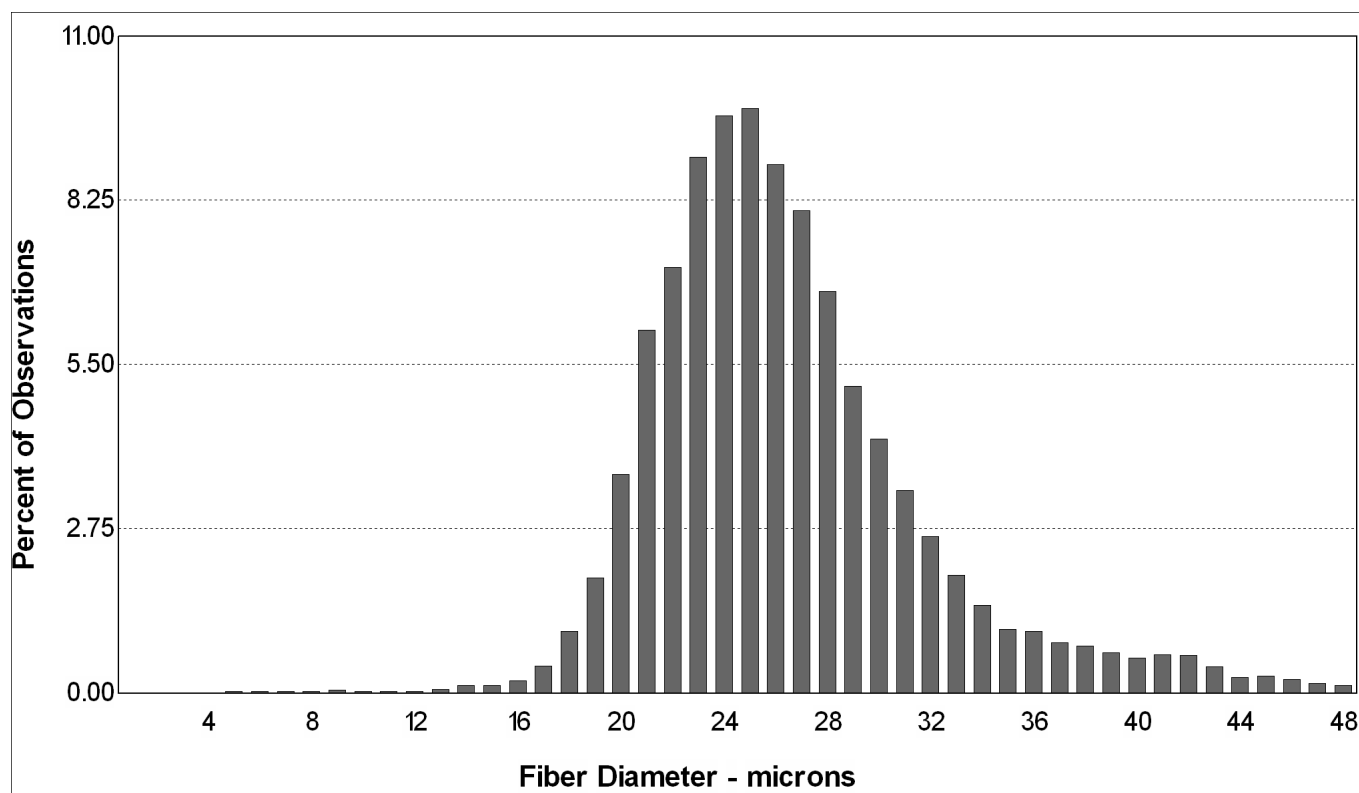
Date: 07/24/19  
Shear ID: 186462  
Test No: 977179

### Animal and Sample Description

<b>Animal Name:</b>	NorthernPrairie's Dazzling Bella	<b>Date of Birth (Age):</b>	05/31/15
<b>ARI #:</b>	32462111	<b>Sample Location:</b>	Side
<b>Breed:</b>	Alpaca(Suri)	<b>Sample Date:</b>	04/14/19
<b>Sex:</b>	Female	<b>Previous Shear Date:</b>	04/15/18
<b>Color:</b>	Lt Fawn	<b>Total Fleece Wt (lbs):</b>	8.00

### Laboratory Data

<b>Mean Fiber Diameter:</b>	26.5 microns	<b>Mean Staple Length:</b>	154.0 mm
<b>Standard Deviation:</b>	5.6 microns	<b>Length Standard Deviation:</b>	4.1 mm
<b>Coefficient of Variation:</b>	21.1 %	<b>Length Coefficient of Variation:</b>	2.6 %
<b>Spin Fineness:</b>	25.9 microns	<b>Mean Curvature:</b>	8.2 deg/mm
<b>Fibers Greater Than 30 microns:</b>	17.5 %	<b>SD Curvature:</b>	10.6 deg/mm
<b>Comfort Factor:</b>	82.5 %		



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Saint Louis MO 63124-1304 USA

Date: 07/24/19  
Shear ID: 186464  
Test No: 977180

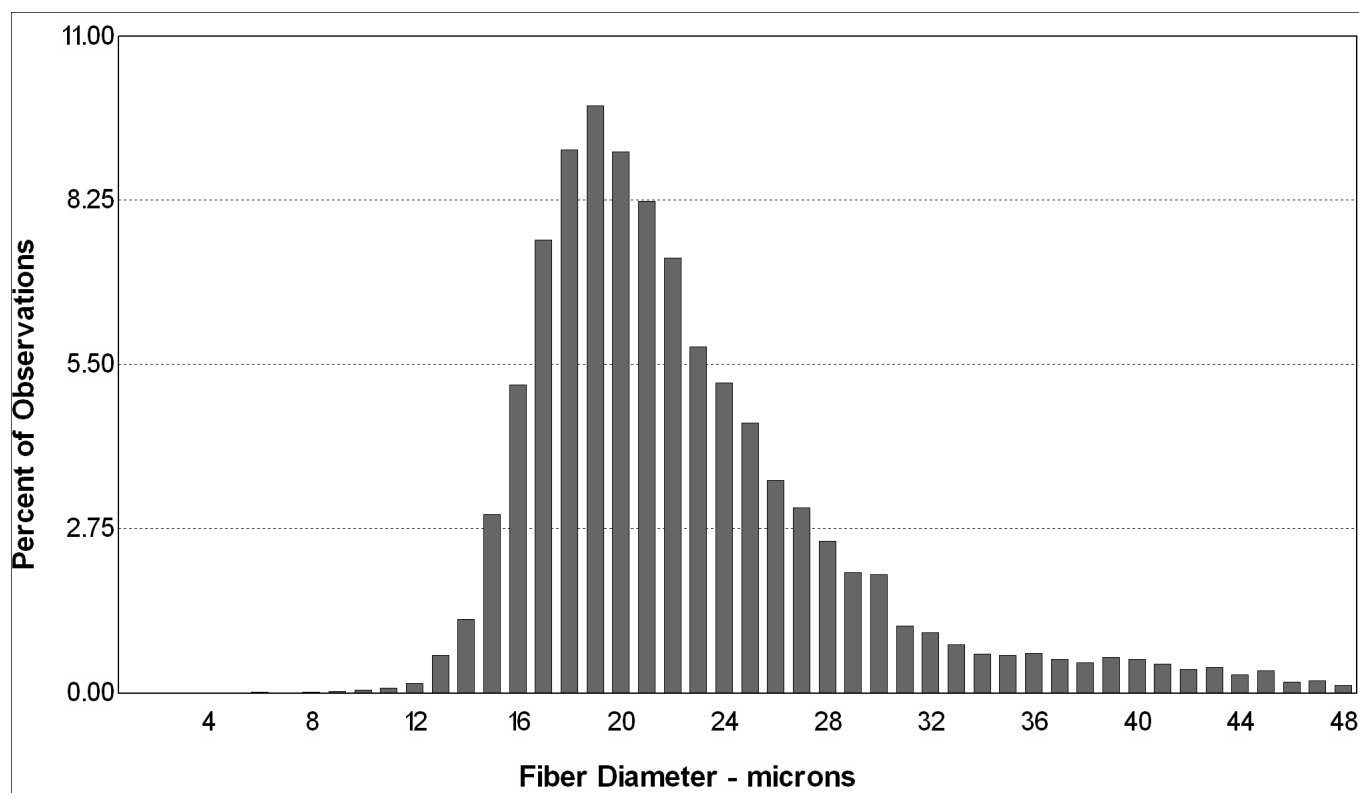
### Animal and Sample Description

**Animal Name:** PPSC Sarafina  
**ARI #:** 31114400  
**Breed:** Alpaca(Suri)  
**Sex:** Female  
**Color:** Lt Fawn

**Date of Birth (Age):** 09/07/07  
**Sample Location:** Side  
**Sample Date:** 04/14/19  
**Previous Shear Date:** 04/15/18  
**Total Fleece Wt (lbs):** 4.40

### Laboratory Data

<b>Mean Fiber Diameter:</b>	22.6 microns	<b>Mean Staple Length:</b>	101.0 mm
<b>Standard Deviation:</b>	6.5 microns	<b>Length Standard Deviation:</b>	4.2 mm
<b>Coefficient of Variation:</b>	28.6 %	<b>Length Coefficient of Variation:</b>	4.2 %
<b>Spin Fineness:</b>	23.6 microns	<b>Mean Curvature:</b>	12.3 deg/mm
<b>Fibers Greater Than 30 microns:</b>	9.9 %	<b>SD Curvature:</b>	15.4 deg/mm
<b>Comfort Factor:</b>	90.1 %		



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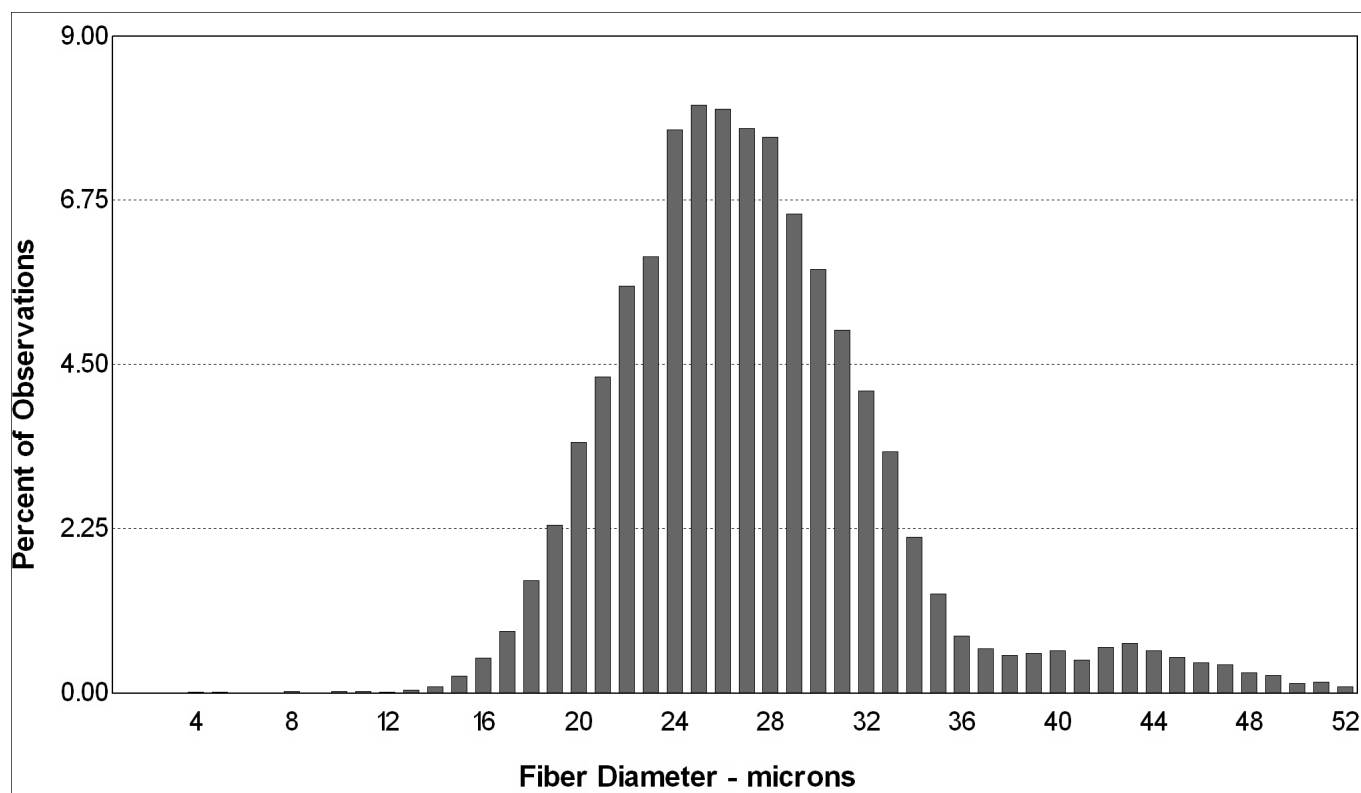
Date: 07/24/19  
Shear ID: 186458  
Test No: 977181

### Animal and Sample Description

<b>Animal Name:</b> Argento's Moonlight of Harmony	<b>Date of Birth (Age):</b> 06/24/15
<b>ARI #:</b> 32700404	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Suri)	<b>Sample Date:</b> 04/14/19
<b>Sex:</b> Female	<b>Previous Shear Date:</b> 04/15/18
<b>Color:</b> Med Fawn	<b>Total Fleece Wt (lbs):</b> 8.20

### Laboratory Data

<b>Mean Fiber Diameter:</b> 27.4 microns	<b>Mean Staple Length:</b> 134.4 mm
<b>Standard Deviation:</b> 6.2 microns	<b>Length Standard Deviation:</b> 3.3 mm
<b>Coefficient of Variation:</b> 22.4 %	<b>Length Coefficient of Variation:</b> 2.5 %
<b>Spin Fineness:</b> 27.0 microns	<b>Mean Curvature:</b> 8.8 deg/mm
<b>Fibers Greater Than 30 microns:</b> 23.6 %	<b>SD Curvature:</b> 9.2 deg/mm
<b>Comfort Factor:</b> 76.4 %	



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Date: 07/24/19  
Shear ID: 186459  
Test No: 977182

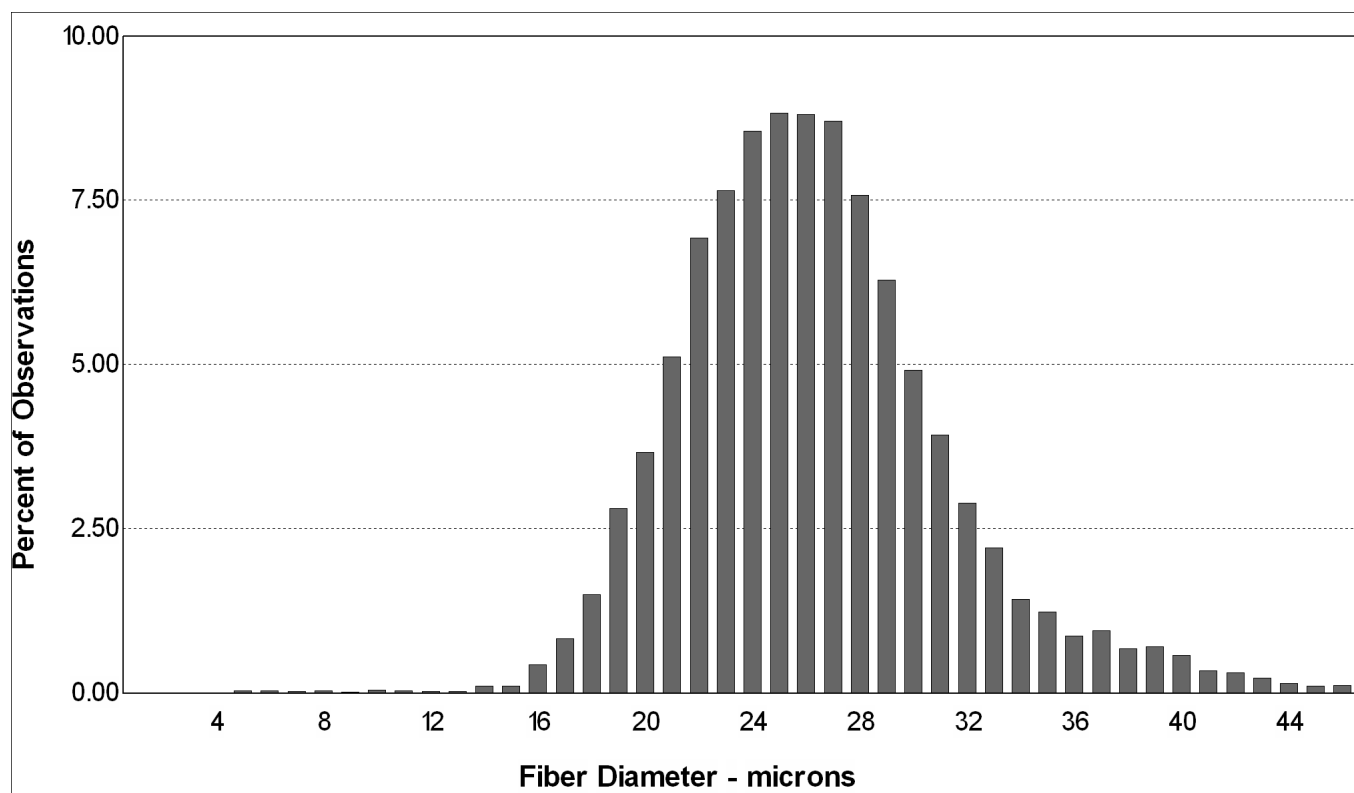
### Animal and Sample Description

**Animal Name:** Balboa's Bijoux Noire  
**ARI #:** 31008211  
**Breed:** Alpaca(Suri)  
**Sex:** Female  
**Color:** True Black

**Date of Birth (Age):** 06/03/10  
**Sample Location:** Side  
**Sample Date:** 04/14/19  
**Previous Shear Date:** 05/21/18  
**Total Fleece Wt (lbs):** 3.20

### Laboratory Data

<b>Mean Fiber Diameter:</b>	26.4 microns	<b>Mean Staple Length:</b>	86.0 mm
<b>Standard Deviation:</b>	5.2 microns	<b>Length Standard Deviation:</b>	3.8 mm
<b>Coefficient of Variation:</b>	19.5 %	<b>Length Coefficient of Variation:</b>	4.4 %
<b>Spin Fineness:</b>	25.3 microns	<b>Mean Curvature:</b>	13.2 deg/mm
<b>Fibers Greater Than 30 microns:</b>	16.9 %	<b>SD Curvature:</b>	16.7 deg/mm
<b>Comfort Factor:</b>	83.1 %		



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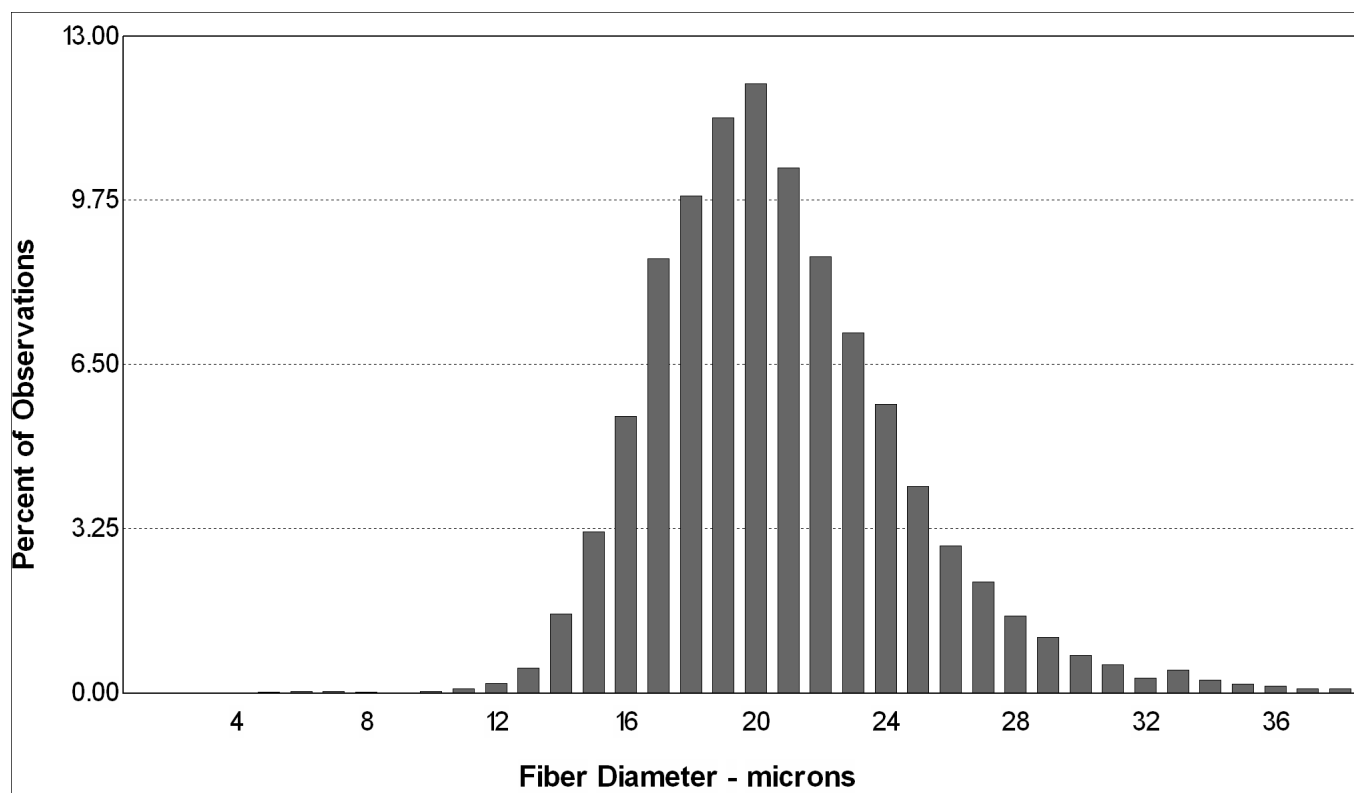
Date: 07/24/19  
Shear ID: 186463  
Test No: 977183

### Animal and Sample Description

<b>Animal Name:</b> NorthernPrairie's Sunshyne	<b>Date of Birth (Age):</b> 09/10/15
<b>ARI #:</b> 32462241	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Huacaya)	<b>Sample Date:</b> 04/14/19
<b>Sex:</b> Female	<b>Previous Shear Date:</b> 04/15/18
<b>Color:</b> Lt Fawn	<b>Total Fleece Wt (lbs):</b> 10.00

### Laboratory Data

<b>Mean Fiber Diameter:</b> 20.9 microns	<b>Mean Staple Length:</b> 78.4 mm
<b>Standard Deviation:</b> 4.5 microns	<b>Length Standard Deviation:</b> 2.8 mm
<b>Coefficient of Variation:</b> 21.4 %	<b>Length Coefficient of Variation:</b> 3.6 %
<b>Spin Fineness:</b> 20.4 microns	<b>Mean Curvature:</b> 55.1 deg/mm
<b>Fibers Greater Than 30 microns:</b> 2.6 %	<b>SD Curvature:</b> 27.5 deg/mm
<b>Comfort Factor:</b> 97.4 %	



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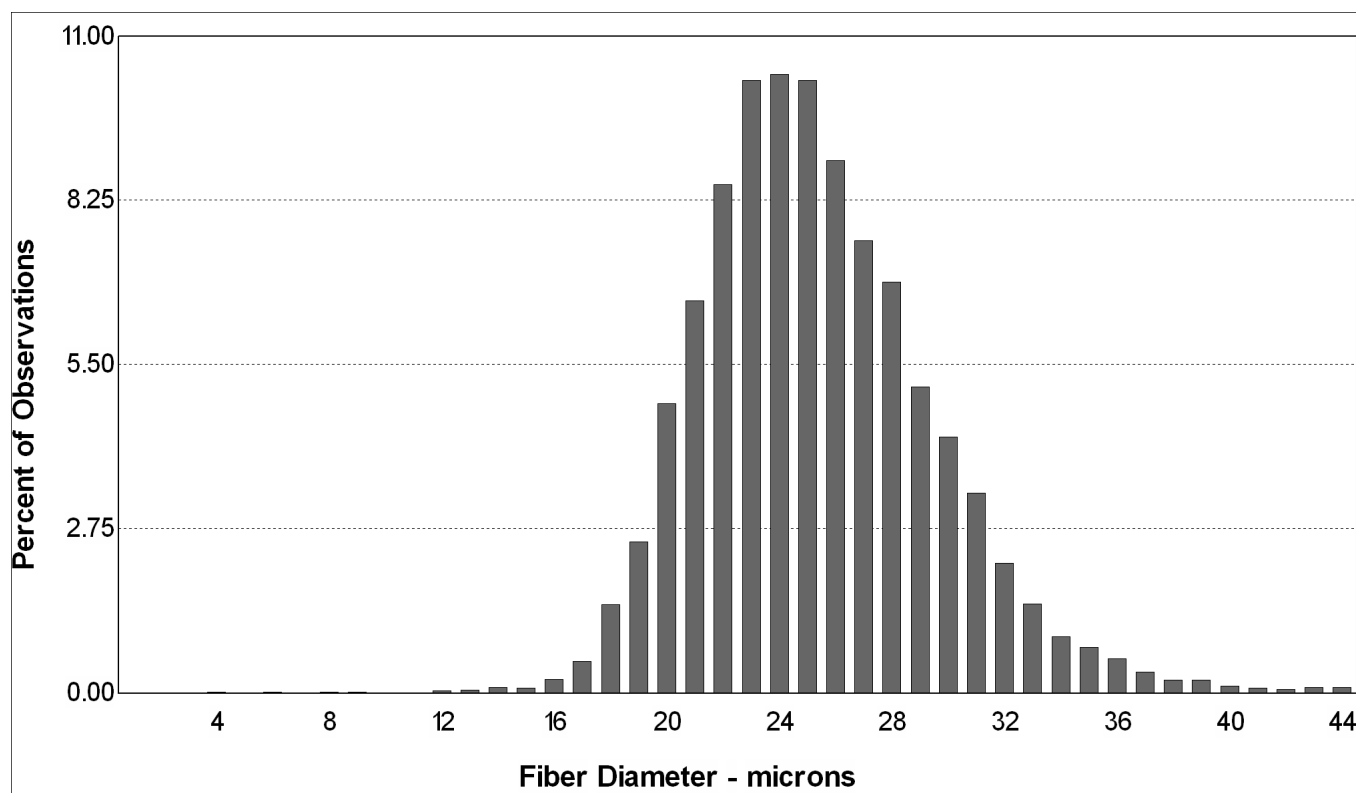
Date: 07/24/19  
Shear ID: 186465  
Test No: 977184

### Animal and Sample Description

<b>Animal Name:</b>	Rainman's Glamorous Grace of NPALLC	<b>Date of Birth (Age):</b>	06/11/15
<b>ARI #:</b>	32462128	<b>Sample Location:</b>	Side
<b>Breed:</b>	Alpaca(Huacaya)	<b>Sample Date:</b>	04/14/18
<b>Sex:</b>	Female	<b>Previous Shear Date:</b>	04/15/18
<b>Color:</b>	Dark Fawn	<b>Total Fleece Wt (lbs):</b>	8.20

### Laboratory Data

<b>Mean Fiber Diameter:</b>	25.5 microns	<b>Mean Staple Length:</b>	89.2 mm
<b>Standard Deviation:</b>	4.8 microns	<b>Length Standard Deviation:</b>	3.0 mm
<b>Coefficient of Variation:</b>	18.7 %	<b>Length Coefficient of Variation:</b>	3.3 %
<b>Spin Fineness:</b>	24.4 microns	<b>Mean Curvature:</b>	43.0 deg/mm
<b>Fibers Greater Than 30 microns:</b>	11.3 %	<b>SD Curvature:</b>	23.6 deg/mm
<b>Comfort Factor:</b>	88.7 %		



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