



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**

Seed Stock Suri Alpacas/Donna Anderson & David Carney  
 2771 Byrnes Rd  
 Touchet WA 99360

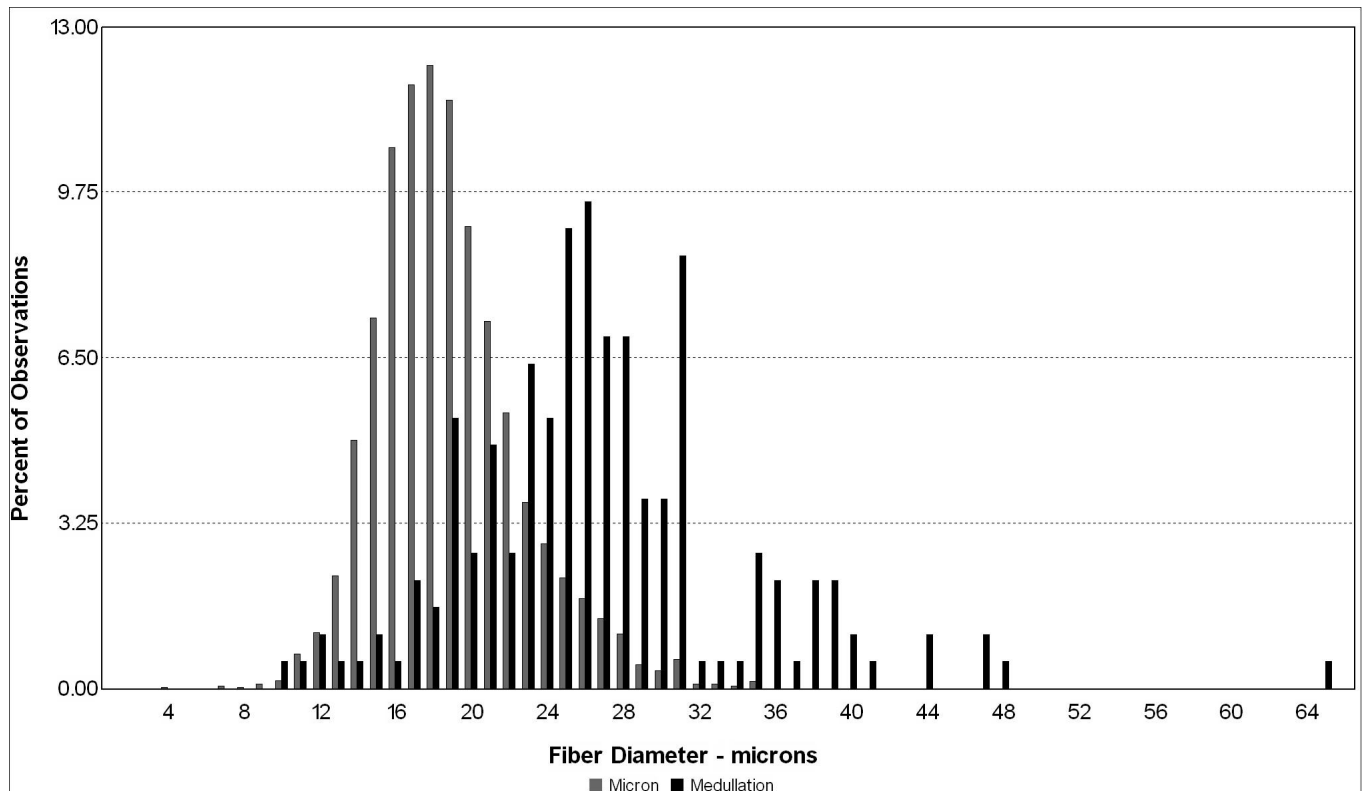
**Date:** 01/27/15  
**Shear ID:** 91214  
**Test No:** 496685

**Animal and Sample Description**

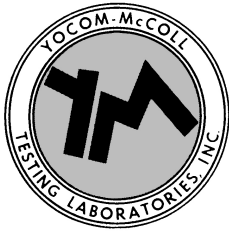
<b>Animal Name:</b> Supersuris Agent Provocateur	<b>Date of Birth (Age):</b> 07/08/13
<b>ARI #:</b> 35322436	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Suri)	<b>Sample Date:</b> 06/03/14
<b>Sex:</b> Male	<b>Previous Shear Date:</b> XX/XX/XX
<b>Color:</b> White	<b>Total Fleece Wt (lbs):</b> 3.50

**Laboratory Data**

<b>Mean Fiber Diameter:</b> 19.0 microns	<b>Mean Staple Length:</b> 177.8 mm
<b>Standard Deviation:</b> 4.2 microns	<b>Length Standard Deviation:</b> 6.7 mm
<b>Coefficient of Variation:</b> 22.1 %	<b>Length Coefficient of Variation:</b> 3.8 %
<b>Spin Fineness:</b> 18.7 microns	<b>Mean Curvature:</b> 18.4 deg/mm
<b>Fibers Greater Than 30 microns:</b> 1.7 %	<b>SD Curvature:</b> 22.1 deg/mm
<b>Comfort Factor:</b> 98.3 %	<b>Medullated Fibers:</b> 4.4 %



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  
 EMAIL: ymccoll@ymccoll.com

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

Seed Stock Suri Alpacas/Donna Anderson & David Carney  
 2771 Byrnes Rd  
 Touchet WA 99360

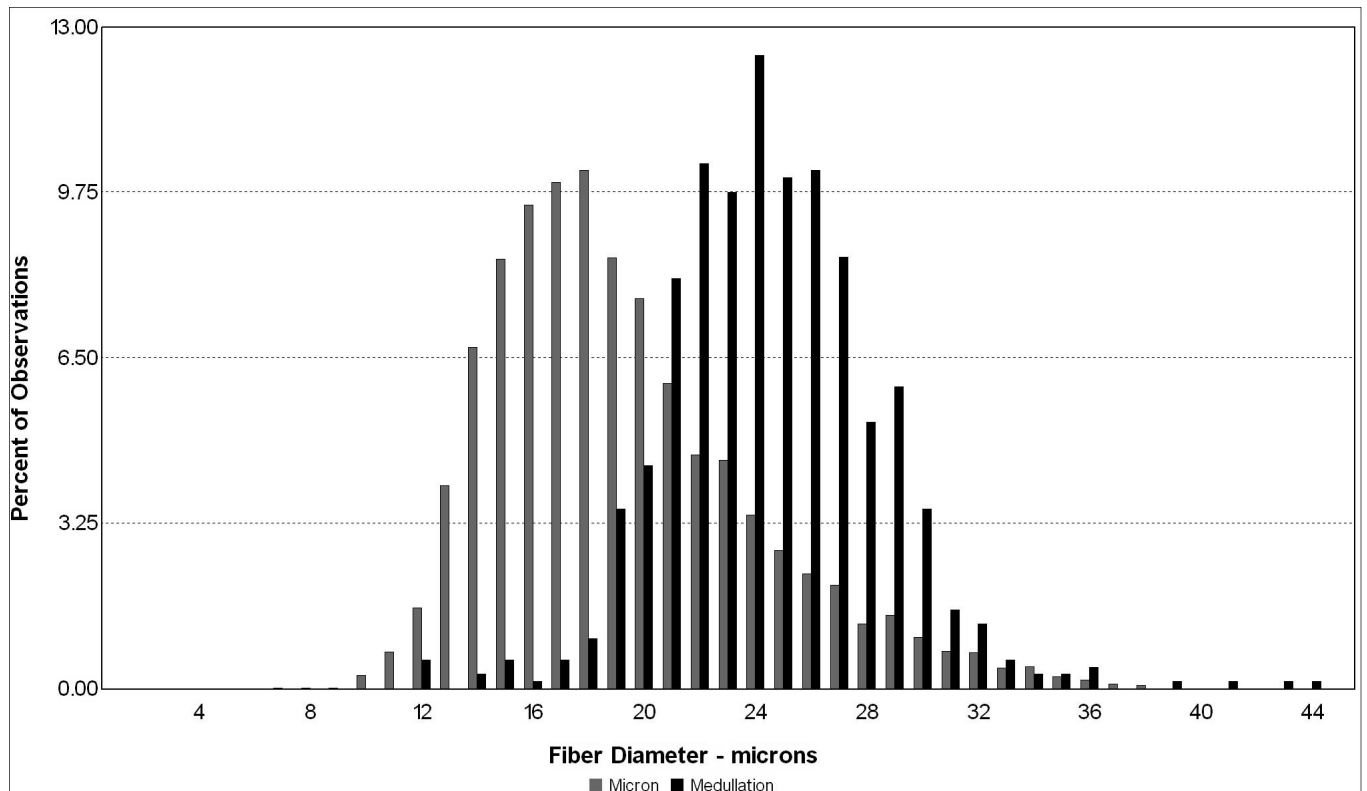
**Date:** 01/27/15  
**Shear ID:** 91208  
**Test No:** 496686

**Animal and Sample Description**

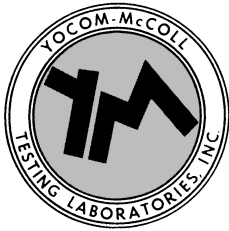
<b>Animal Name:</b> Barnaby's Accoyo Aramis	<b>Date of Birth (Age):</b> 05/15/11
<b>ARI #:</b> 31750806	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Suri)	<b>Sample Date:</b> 06/03/14
<b>Sex:</b> Male	<b>Previous Shear Date:</b> 06/02/13
<b>Color:</b> White	<b>Total Fleece Wt (lbs):</b> 5.00

**Laboratory Data**

<b>Mean Fiber Diameter:</b> 19.3 microns	<b>Mean Staple Length:</b> 147.4 mm
<b>Standard Deviation:</b> 4.9 microns	<b>Length Standard Deviation:</b> 9.0 mm
<b>Coefficient of Variation:</b> 25.4 %	<b>Length Coefficient of Variation:</b> 6.1 %
<b>Spin Fineness:</b> 19.6 microns	<b>Mean Curvature:</b> 14.2 deg/mm
<b>Fibers Greater Than 30 microns:</b> 3.2 %	<b>SD Curvature:</b> 20.2 deg/mm
<b>Comfort Factor:</b> 96.8 %	<b>Medullated Fibers:</b> 11.3 %



**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  
 EMAIL: ymccoll@ymccoll.com

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

Seed Stock Suri Alpacas/Donna Anderson & David Carney  
 2771 Byrnes Rd  
 Touchet WA 99360

**Date:** 01/27/15  
**Shear ID:** 91211  
**Test No:** 496687

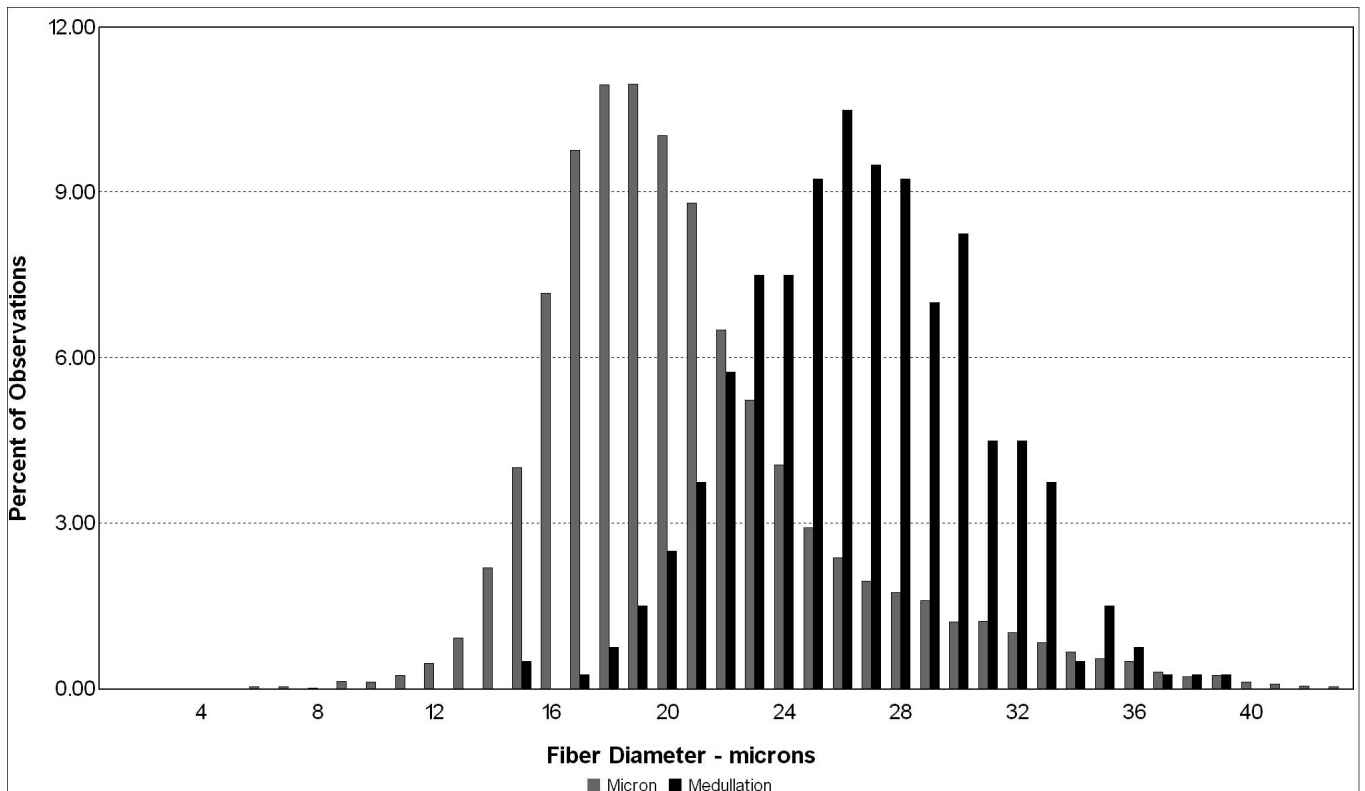
**Animal and Sample Description**

**Animal Name:** SBS Accoyo Nik Nak  
**ARI #:** 32516432  
**Breed:** Alpaca(Suri)  
**Sex:** Male  
**Color:** White

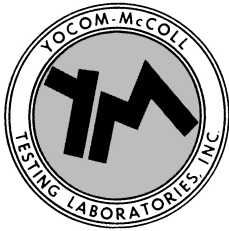
**Date of Birth (Age):** 09/30/12  
**Sample Location:** Side  
**Sample Date:** 06/03/14  
**Previous Shear Date:** 06/02/13  
**Total Fleece Wt (lbs):** 5.00

**Laboratory Data**

<b>Mean Fiber Diameter:</b>	21.0 microns	<b>Mean Staple Length:</b>	161.4 mm
<b>Standard Deviation:</b>	5.6 microns	<b>Length Standard Deviation:</b>	2.5 mm
<b>Coefficient of Variation:</b>	26.6 %	<b>Length Coefficient of Variation:</b>	1.6 %
<b>Spin Fineness:</b>	21.5 microns	<b>Mean Curvature:</b>	13.5 deg/mm
<b>Fibers Greater Than 30 microns:</b>	6.5 %	<b>SD Curvature:</b>	15.0 deg/mm
<b>Comfort Factor:</b>	93.5 %	<b>Medullated Fibers:</b>	4.6 %



**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  
 EMAIL: ymccoll@ymccoll.com

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

Seed Stock Suri Alpacas/Donna Anderson & David Carney  
 2771 Byrnes Rd  
 Touchet WA 99360

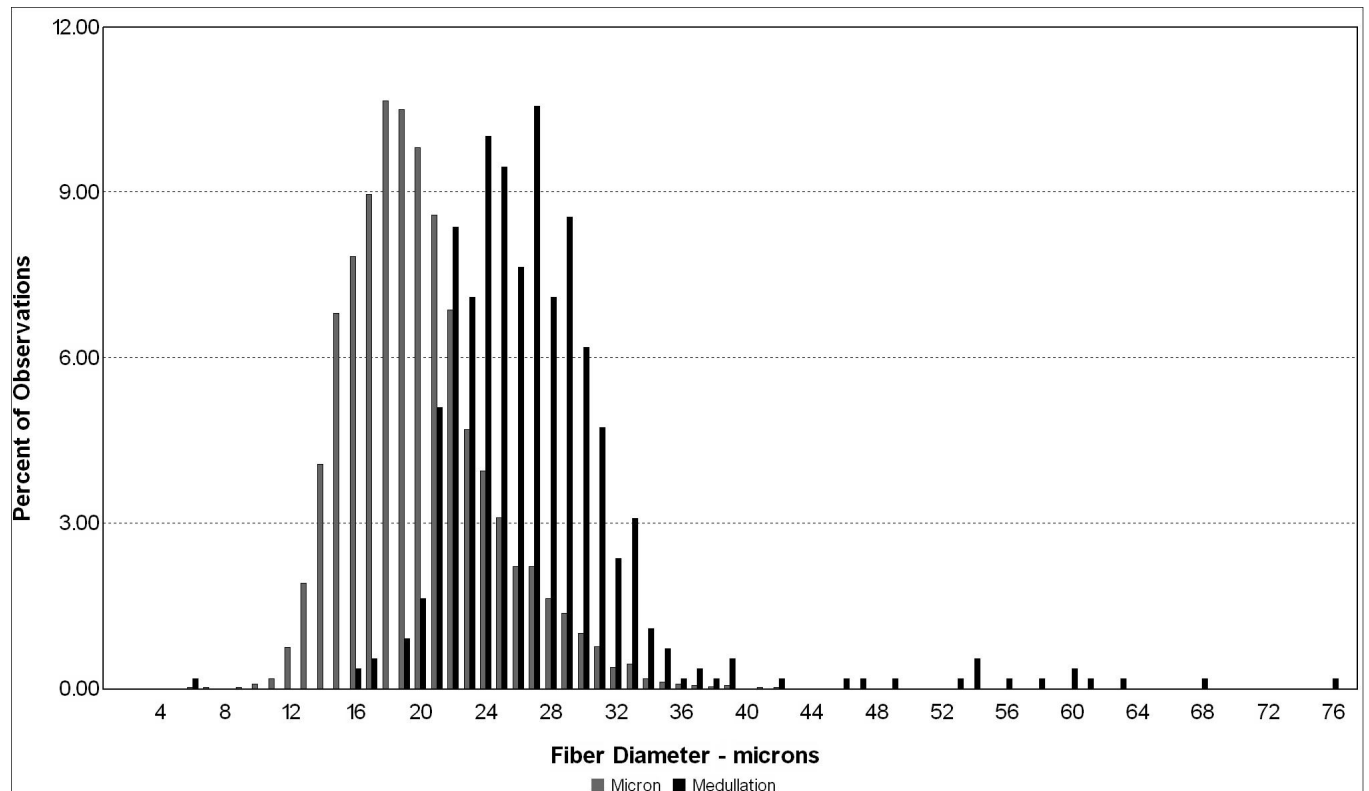
**Date:** 01/27/15  
**Shear ID:** 91212  
**Test No:** 496688

**Animal and Sample Description**

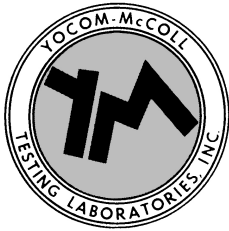
<b>Animal Name:</b> SBS Kahuna's Bahati	<b>Date of Birth (Age):</b> 11/15/10
<b>ARI #:</b> 31768771	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Suri)	<b>Sample Date:</b> 06/03/14
<b>Sex:</b> Male	<b>Previous Shear Date:</b> 06/02/13
<b>Color:</b> White	<b>Total Fleece Wt (lbs):</b> 6.00

**Laboratory Data**

<b>Mean Fiber Diameter:</b> 20.1 microns	<b>Mean Staple Length:</b> 138.6 mm
<b>Standard Deviation:</b> 5.7 microns	<b>Length Standard Deviation:</b> 2.3 mm
<b>Coefficient of Variation:</b> 28.5 %	<b>Length Coefficient of Variation:</b> 1.7 %
<b>Spin Fineness:</b> 21.0 microns	<b>Mean Curvature:</b> 16.1 deg/mm
<b>Fibers Greater Than 30 microns:</b> 2.6 %	<b>SD Curvature:</b> 15.0 deg/mm
<b>Comfort Factor:</b> 97.4 %	<b>Medullated Fibers:</b> 11.1 %



**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  
 EMAIL: ymccoll@ymccoll.com

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

Seed Stock Suri Alpacas/Donna Anderson & David Carney  
 2771 Byrnes Rd  
 Touchet WA 99360

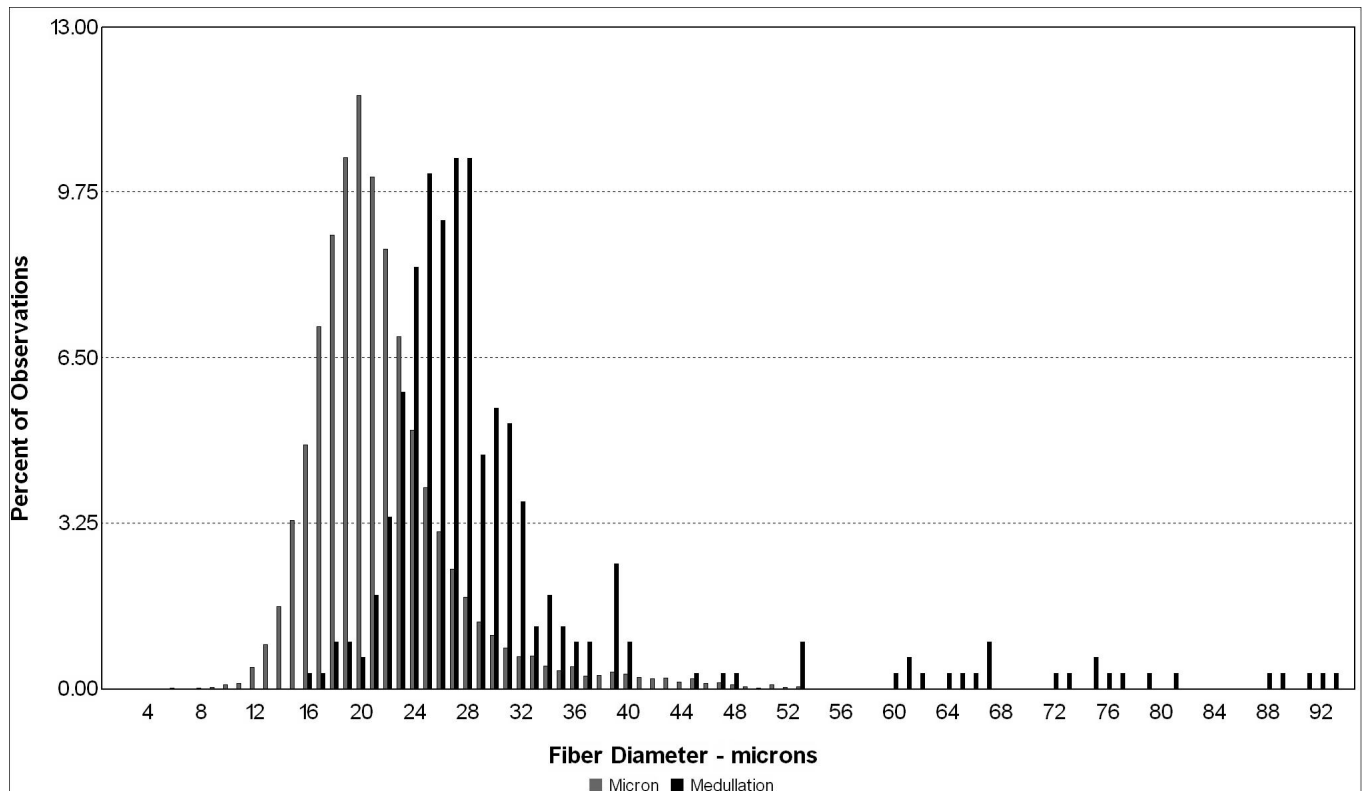
**Date:** 01/27/15  
**Shear ID:** 91207  
**Test No:** 496689

**Animal and Sample Description**

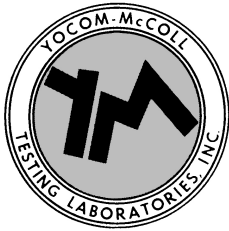
<b>Animal Name:</b> Armani's Avante of Supersuris	<b>Date of Birth (Age):</b> 09/22/11
<b>ARI #:</b> 31073547	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Suri)	<b>Sample Date:</b> 06/03/14
<b>Sex:</b> Male	<b>Previous Shear Date:</b> 06/02/13
<b>Color:</b> Beige	<b>Total Fleece Wt (lbs):</b> 4.30

**Laboratory Data**

<b>Mean Fiber Diameter:</b> 22.0 microns	<b>Mean Staple Length:</b> 140.6 mm
<b>Standard Deviation:</b> 9.0 microns	<b>Length Standard Deviation:</b> 2.0 mm
<b>Coefficient of Variation:</b> 40.7 %	<b>Length Coefficient of Variation:</b> 1.4 %
<b>Spin Fineness:</b> 26.2 microns	<b>Mean Curvature:</b> 12.6 deg/mm
<b>Fibers Greater Than 30 microns:</b> 6.4 %	<b>SD Curvature:</b> 12.9 deg/mm
<b>Comfort Factor:</b> 93.6 %	<b>Medullated Fibers:</b> 5.1 %



**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  
EMAIL: ymccoll@ymccoll.com

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

Seed Stock Suri Alpacas/Donna Anderson & David Carney  
2771 Byrnes Rd  
Touchet WA 99360

**Date:** 01/27/15  
**Shear ID:** 91209  
**Test No:** 496690

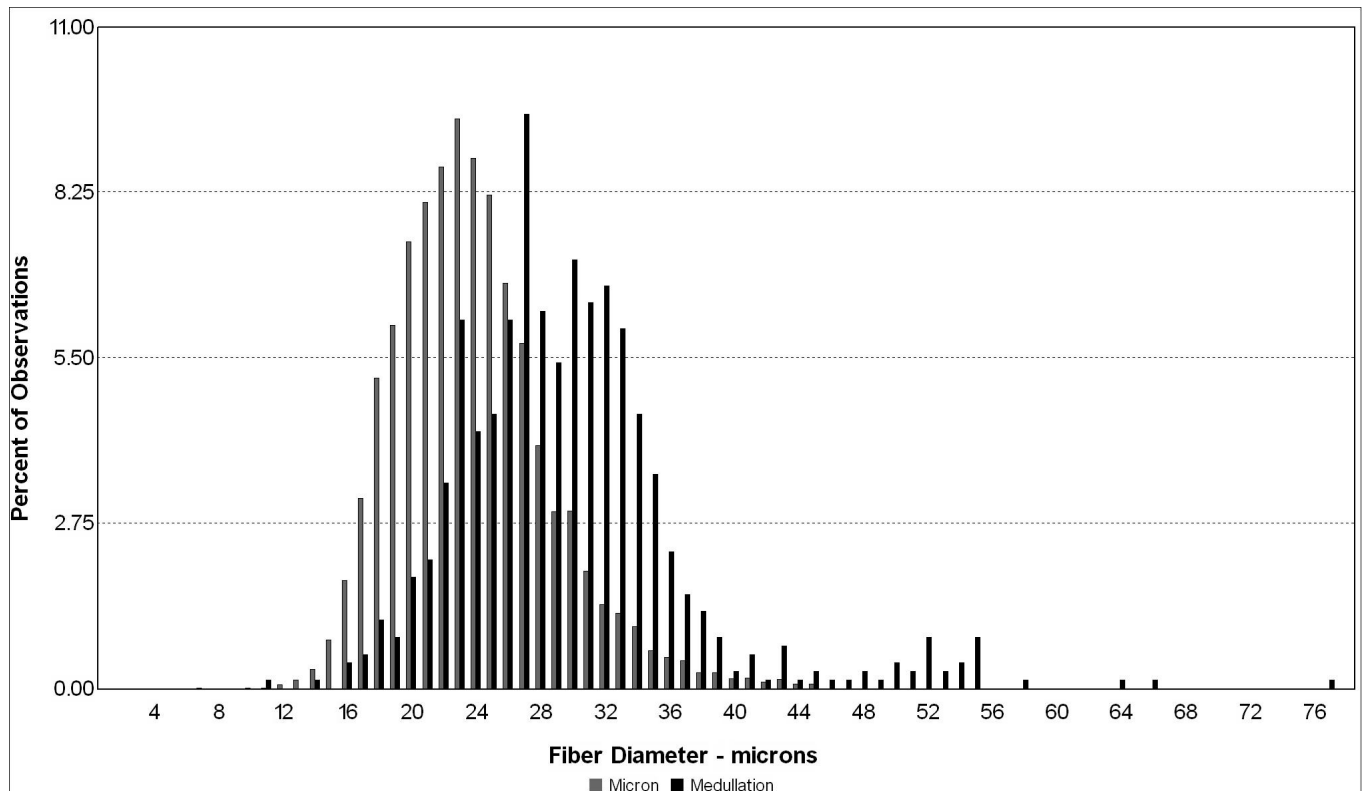
**Animal and Sample Description**

**Animal Name:** Armani's Giorgio  
**ARI #:** 31361712  
**Breed:** Alpaca(Suri)  
**Sex:** Male  
**Color:** Beige

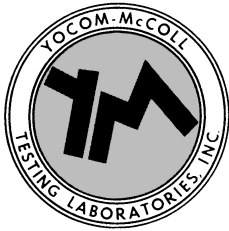
**Date of Birth (Age):** 08/24/07  
**Sample Location:** Side  
**Sample Date:** 06/03/14  
**Previous Shear Date:** 06/02/13  
**Total Fleece Wt (lbs):** 5.70

**Laboratory Data**

<b>Mean Fiber Diameter:</b>	24.0 microns	<b>Mean Staple Length:</b>	94.2 mm
<b>Standard Deviation:</b>	5.4 microns	<b>Length Standard Deviation:</b>	4.7 mm
<b>Coefficient of Variation:</b>	22.3 %	<b>Length Coefficient of Variation:</b>	5.0 %
<b>Spin Fineness:</b>	23.7 microns	<b>Mean Curvature:</b>	12.4 deg/mm
<b>Fibers Greater Than 30 microns:</b>	9.3 %	<b>SD Curvature:</b>	15.4 deg/mm
<b>Comfort Factor:</b>	90.7 %	<b>Medullated Fibers:</b>	7.5 %



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  
EMAIL: ymccoll@ymccoll.com

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

Seed Stock Suri Alpacas/Donna Anderson & David Carney  
2771 Byrnes Rd  
Touchet WA 99360

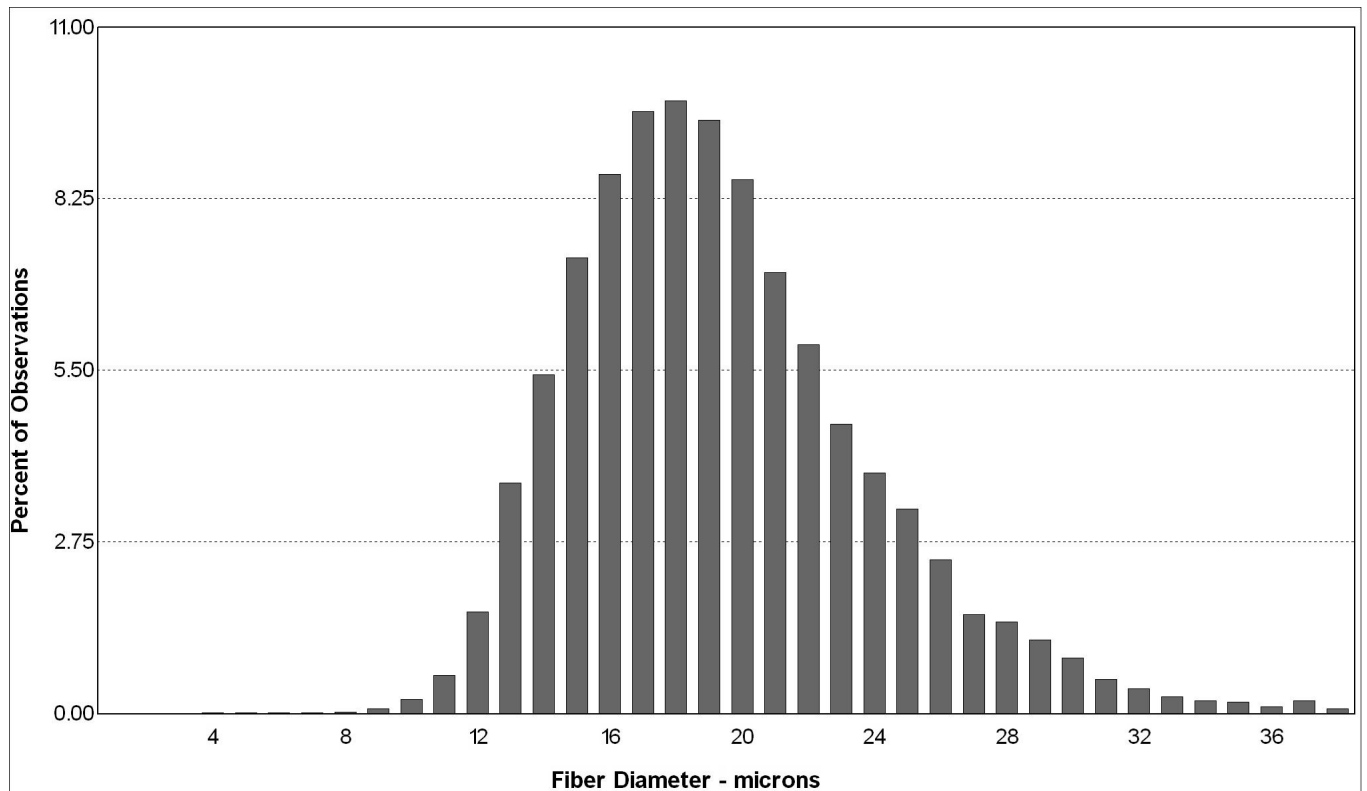
**Date:** 01/27/15  
**Shear ID:** 91210  
**Test No:** 496691

**Animal and Sample Description**

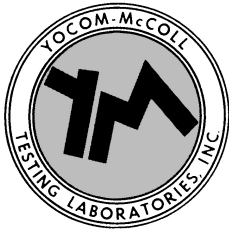
<b>Animal Name:</b> Macluster's Harrison of Supersuris	<b>Date of Birth (Age):</b> 07/03/11
<b>ARI #:</b> 31750356	<b>Sample Location:</b> Side
<b>Breed:</b> Alpaca(Suri)	<b>Sample Date:</b> 06/03/14
<b>Sex:</b> Male	<b>Previous Shear Date:</b> 06/02/13
<b>Color:</b> Lt Fawn	<b>Total Fleece Wt (lbs):</b> 6.00

**Laboratory Data**

<b>Mean Fiber Diameter:</b> 19.5 microns	<b>Mean Staple Length:</b> 128.8 mm
<b>Standard Deviation:</b> 4.8 microns	<b>Length Standard Deviation:</b> 4.3 mm
<b>Coefficient of Variation:</b> 24.8 %	<b>Length Coefficient of Variation:</b> 3.4 %
<b>Spin Fineness:</b> 19.6 microns	<b>Mean Curvature:</b> 24.6 deg/mm
<b>Fibers Greater Than 30 microns:</b> 2.5 %	<b>SD Curvature:</b> 26.6 deg/mm
<b>Comfort Factor:</b> 97.5 %	



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  
EMAIL: ymccoll@ymccoll.com

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

Seed Stock Suri Alpacas/Donna Anderson & David Carney  
2771 Byrnes Rd  
Touchet WA 99360

**Date:** 01/27/15  
**Shear ID:** 91213  
**Test No:** 496692

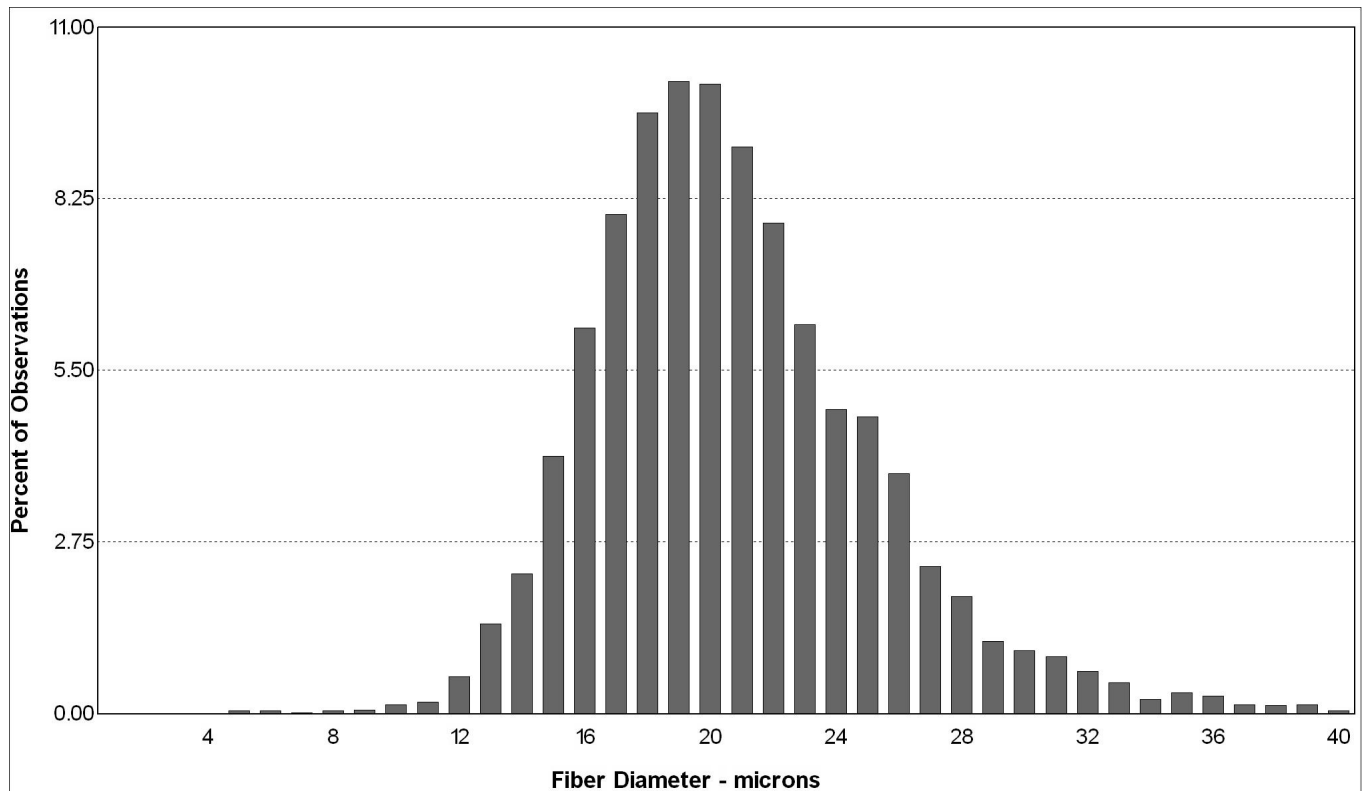
**Animal and Sample Description**

**Animal Name:** SBS Star Dust  
**ARI #:** 32040364  
**Breed:** Alpaca(Suri)  
**Sex:** Male  
**Color:** Med Brown

**Date of Birth (Age):** 08/16/11  
**Sample Location:** Side  
**Sample Date:** 06/03/14  
**Previous Shear Date:** 06/02/13  
**Total Fleece Wt (lbs):** 5.00

**Laboratory Data**

<b>Mean Fiber Diameter:</b>	20.9 microns	<b>Mean Staple Length:</b>	160.0 mm
<b>Standard Deviation:</b>	5.0 microns	<b>Length Standard Deviation:</b>	3.4 mm
<b>Coefficient of Variation:</b>	23.8 %	<b>Length Coefficient of Variation:</b>	2.1 %
<b>Spin Fineness:</b>	20.9 microns	<b>Mean Curvature:</b>	14.7 deg/mm
<b>Fibers Greater Than 30 microns:</b>	4.0 %	<b>SD Curvature:</b>	19.4 deg/mm
<b>Comfort Factor:</b>	96.0 %		



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