

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**

Royal Plush Alpaca Ranch/Loretta & Mike Green
19550 SW Butler Rd
Rose Hill KS 67133-9607

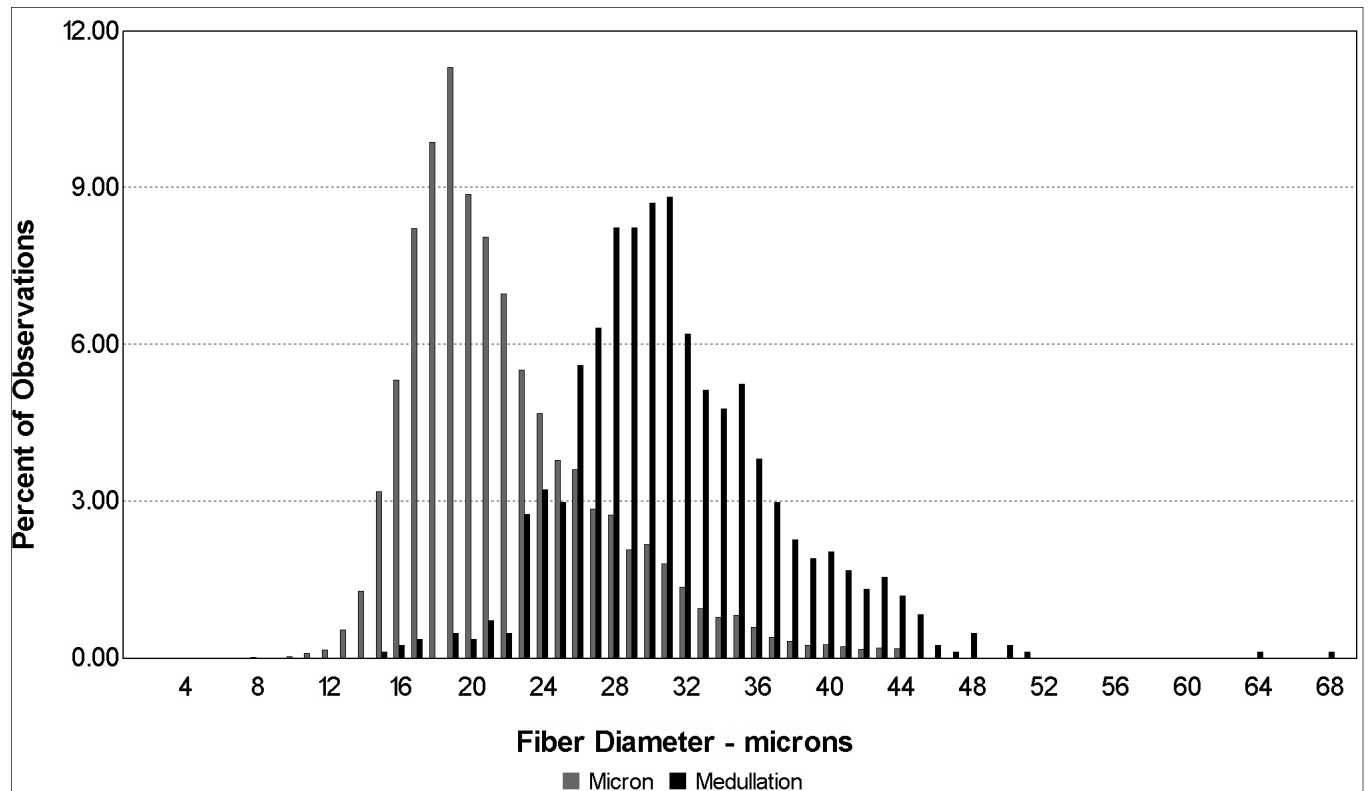
Date: 06/28/14
Shear ID: 74211
Test No: 483111

Animal and Sample Description

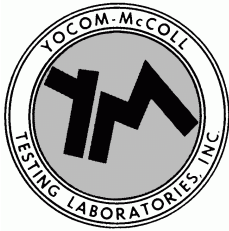
Animal Name: Xanadu P Cantata	Date of Birth (Age): 06/07/07
ARI #: 31043281	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/06/14
Sex: Female	Previous Shear Date: 05/04/13
Color: White	Total Fleece Wt (lbs): 8.00

Laboratory Data

Mean Fiber Diameter: 22.1 microns	Mean Staple Length: 86.4 mm
Standard Deviation: 5.7 microns	Length Standard Deviation: 4.3 mm
Coefficient of Variation: 25.8 %	Length Coefficient of Variation: 5.0 %
Spin Fineness: 22.4 microns	Mean Curvature: 44.5 deg/mm
Fibers Greater Than 30 microns: 8.7 %	SD Curvature: 23.7 deg/mm
Comfort Factor: 91.3 %	Medullated Fibers: 12.7 %



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



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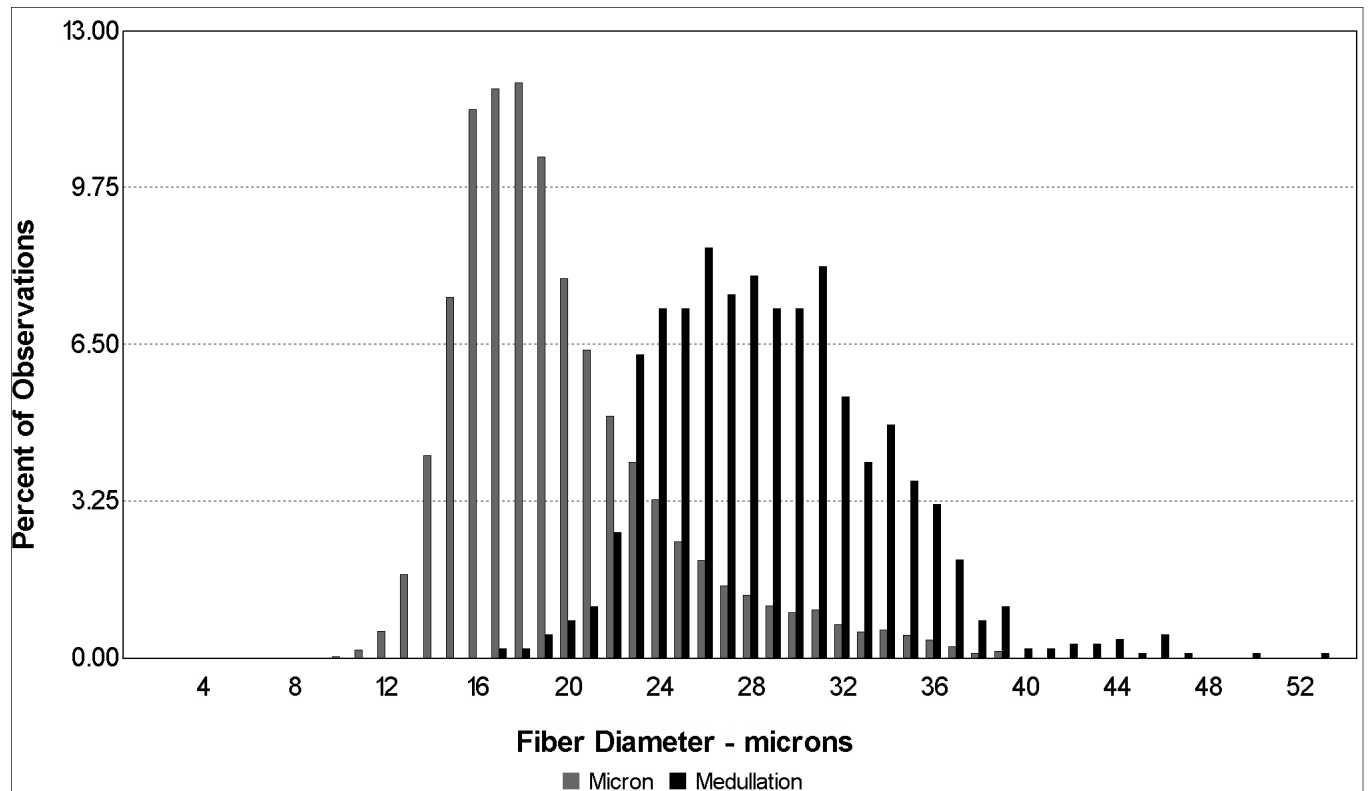
Date: 06/28/14
Shear ID: 74202
Test No: 483112

Animal and Sample Description

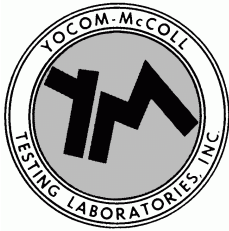
Animal Name: Barnabus' Baji	Date of Birth (Age): 06/22/12
ARI #: 32639513	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/06/14
Sex: Female	Previous Shear Date: 05/04/13
Color: White	Total Fleece Wt (lbs): 6.20

Laboratory Data

Mean Fiber Diameter: 19.7 microns	Mean Staple Length: 98.0 mm
Standard Deviation: 4.9 microns	Length Standard Deviation: 3.2 mm
Coefficient of Variation: 24.6 %	Length Coefficient of Variation: 3.2 %
Spin Fineness: 19.8 microns	Mean Curvature: 42.4 deg/mm
Fibers Greater Than 30 microns: 4.4 %	SD Curvature: 22.1 deg/mm
Comfort Factor: 95.6 %	Medullated Fibers: 11.8 %



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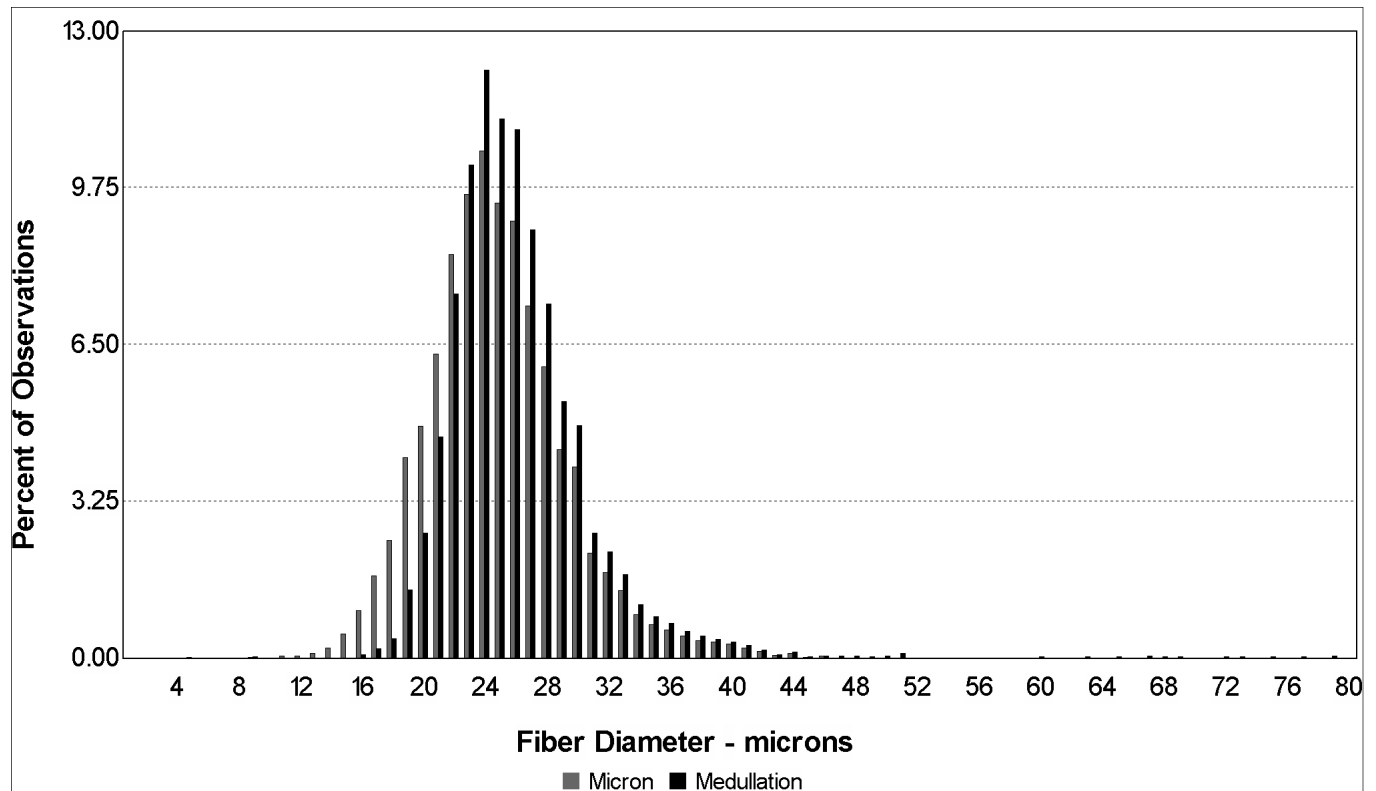
Date: 06/28/14
Shear ID: 74209
Test No: 483113

Animal and Sample Description

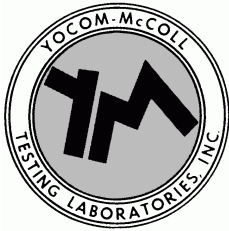
Animal Name: Snowstorm's Mariah	Date of Birth (Age): 08/30/10
ARI #: 31869270	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/06/14
Sex: Female	Previous Shear Date: 05/04/13
Color: White	Total Fleece Wt (lbs): 7.60

Laboratory Data

Mean Fiber Diameter: 25.1 microns	Mean Staple Length: 94.6 mm
Standard Deviation: 5.3 microns	Length Standard Deviation: 6.0 mm
Coefficient of Variation: 21.3 %	Length Coefficient of Variation: 6.4 %
Spin Fineness: 24.4 microns	Mean Curvature: 35.4 deg/mm
Fibers Greater Than 30 microns: 10.0 %	SD Curvature: 21.7 deg/mm
Comfort Factor: 90.0 %	Medullated Fibers: 80.1 %



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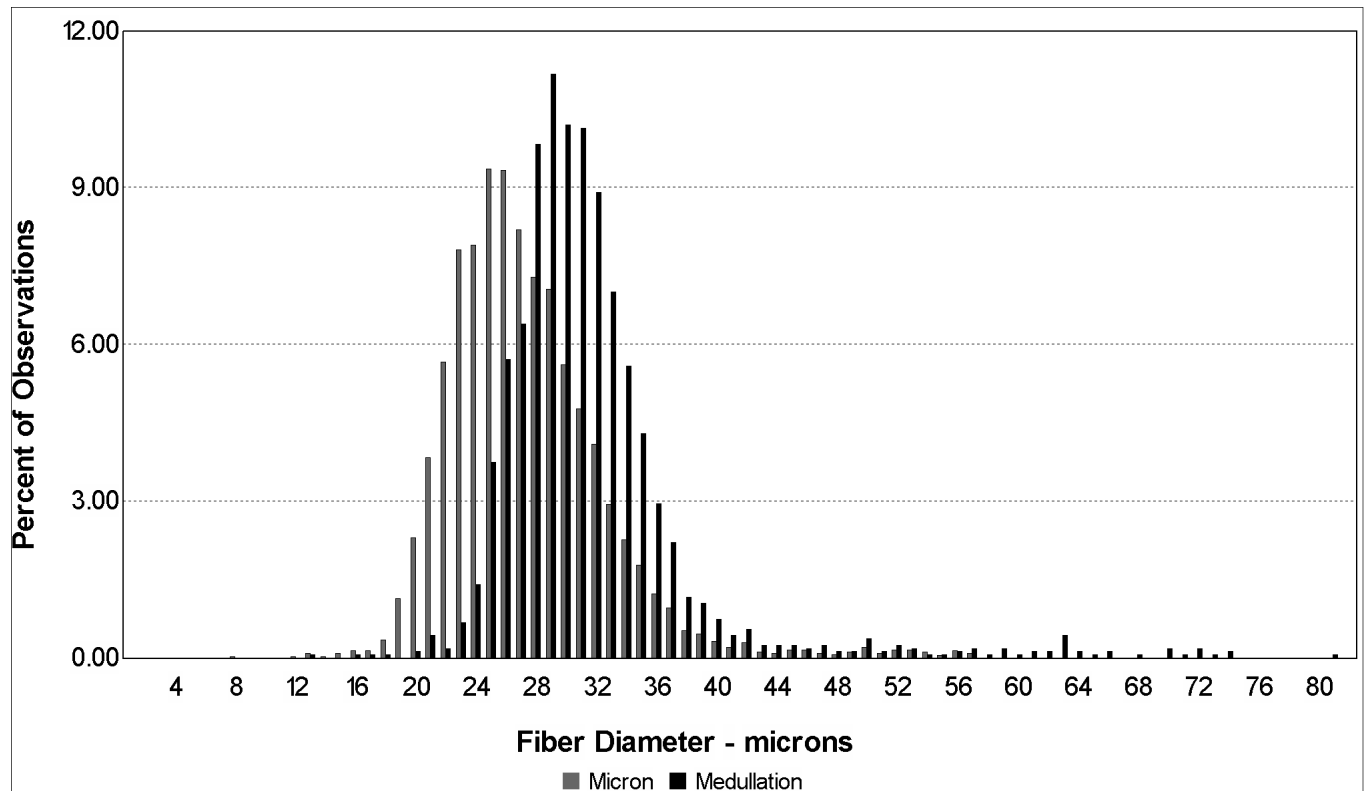
Date: 06/28/14
Shear ID: 74210
Test No: 483114

Animal and Sample Description

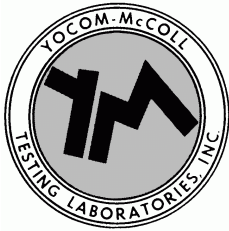
Animal Name: Status Symbol's Princess Lexi	Date of Birth (Age): 09/06/08
ARI #: 31632560	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/06/14
Sex: Female	Previous Shear Date: 05/04/13
Color: White	Total Fleece Wt (lbs): 7.50

Laboratory Data

Mean Fiber Diameter: 28.1 microns	Mean Staple Length: 90.2 mm
Standard Deviation: 7.4 microns	Length Standard Deviation: 5.1 mm
Coefficient of Variation: 26.4 %	Length Coefficient of Variation: 5.6 %
Spin Fineness: 28.8 microns	Mean Curvature: 34.0 deg/mm
Fibers Greater Than 30 microns: 23.6 %	SD Curvature: 19.2 deg/mm
Comfort Factor: 76.4 %	Medullated Fibers: 37.2 %



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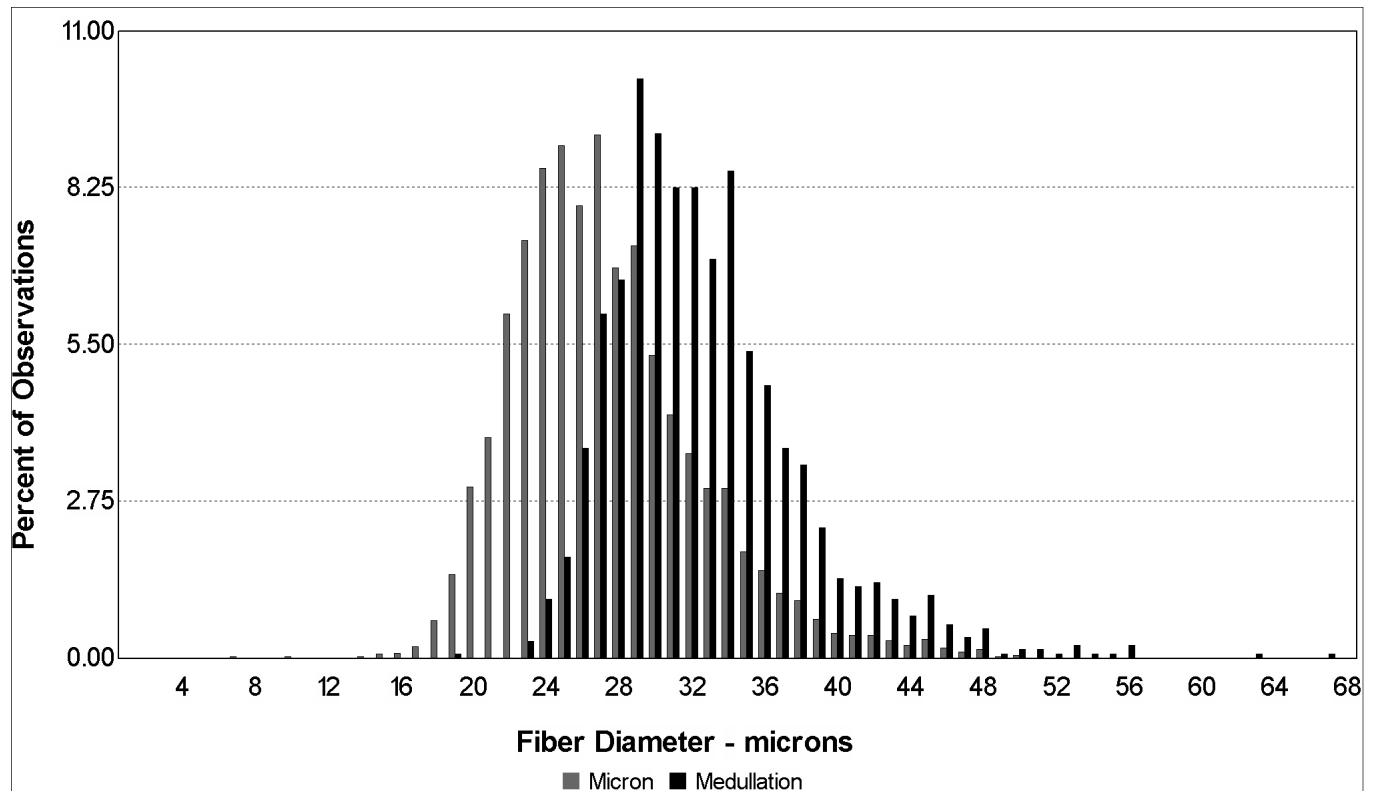
Date: 06/28/14
Shear ID: 74206
Test No: 483115

Animal and Sample Description

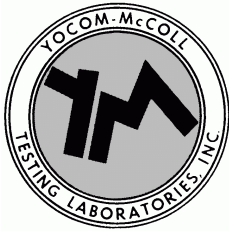
Animal Name: Neville Lake's Napoleon	Date of Birth (Age): 08/22/04
ARI #: 1061239	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/06/14
Sex: Male	Previous Shear Date: 05/04/13
Color: Beige	Total Fleece Wt (lbs): 6.20

Laboratory Data

Mean Fiber Diameter: 27.5 microns	Mean Staple Length: 67.2 mm
Standard Deviation: 5.6 microns	Length Standard Deviation: 2.9 mm
Coefficient of Variation: 20.5 %	Length Coefficient of Variation: 4.3 %
Spin Fineness: 26.7 microns	Mean Curvature: 34.5 deg/mm
Fibers Greater Than 30 microns: 23.1 %	SD Curvature: 18.0 deg/mm
Comfort Factor: 76.9 %	Medullated Fibers: 29.7 %



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Date: 06/28/14
Shear ID: 74203
Test No: 483116

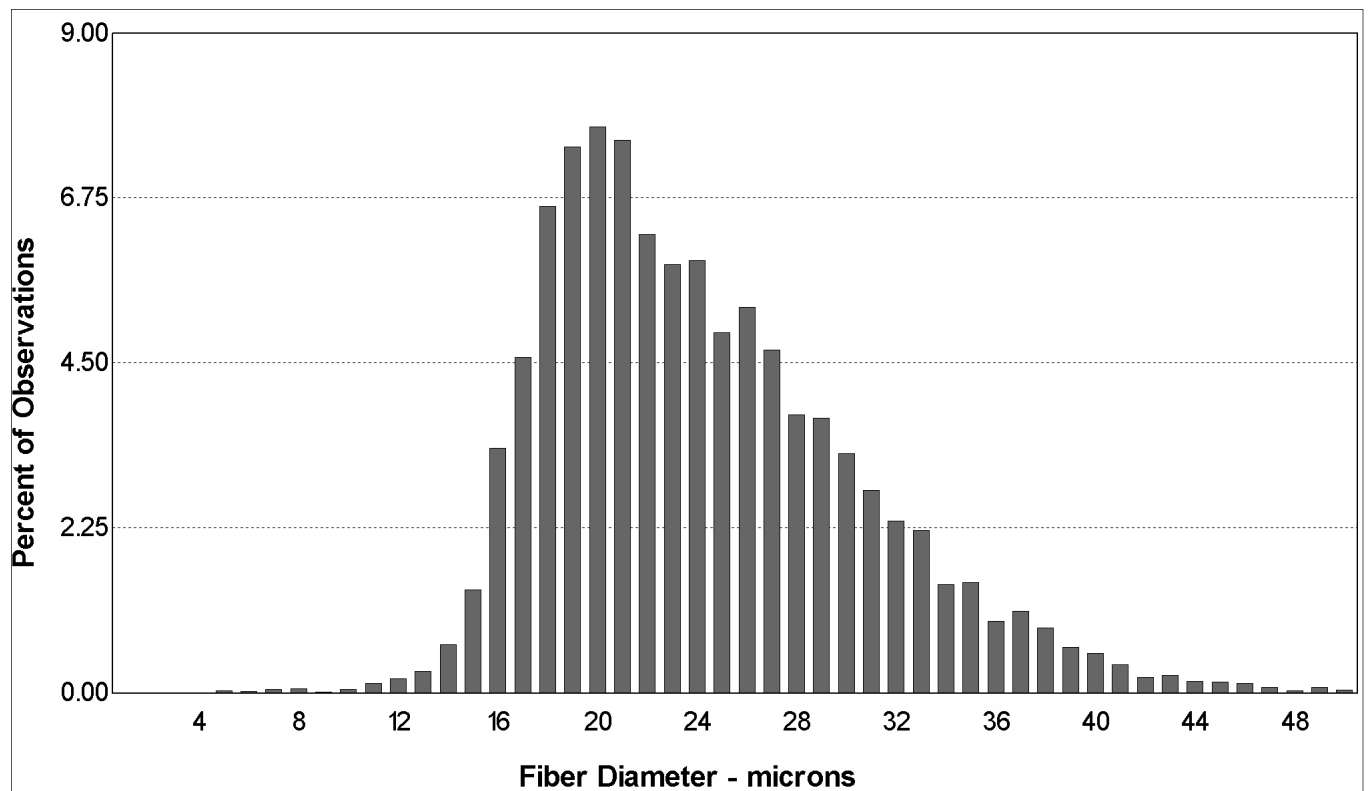
Animal and Sample Description

Animal Name: Little Bit Mocha
ARI #: 31134422
Breed: Alpaca(Huacaya)
Sex: Female
Color: Med Brown

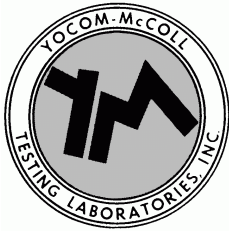
Date of Birth (Age): 06/02/13
Sample Location: Side
Sample Date: 04/18/14
Previous Shear Date: XX/XX/XX
Total Fleece Wt (lbs): 5.40

Laboratory Data

Mean Fiber Diameter:	24.3 microns	Mean Staple Length:	122.6 mm
Standard Deviation:	6.5 microns	Length Standard Deviation:	2.6 mm
Coefficient of Variation:	26.7 %	Length Coefficient of Variation:	2.1 %
Spin Fineness:	24.9 microns	Mean Curvature:	40.4 deg/mm
Fibers Greater Than 30 microns:	16.2 %	SD Curvature:	24.3 deg/mm
Comfort Factor:	83.8 %		



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Date: 06/28/14
Shear ID: 74205
Test No: 483117

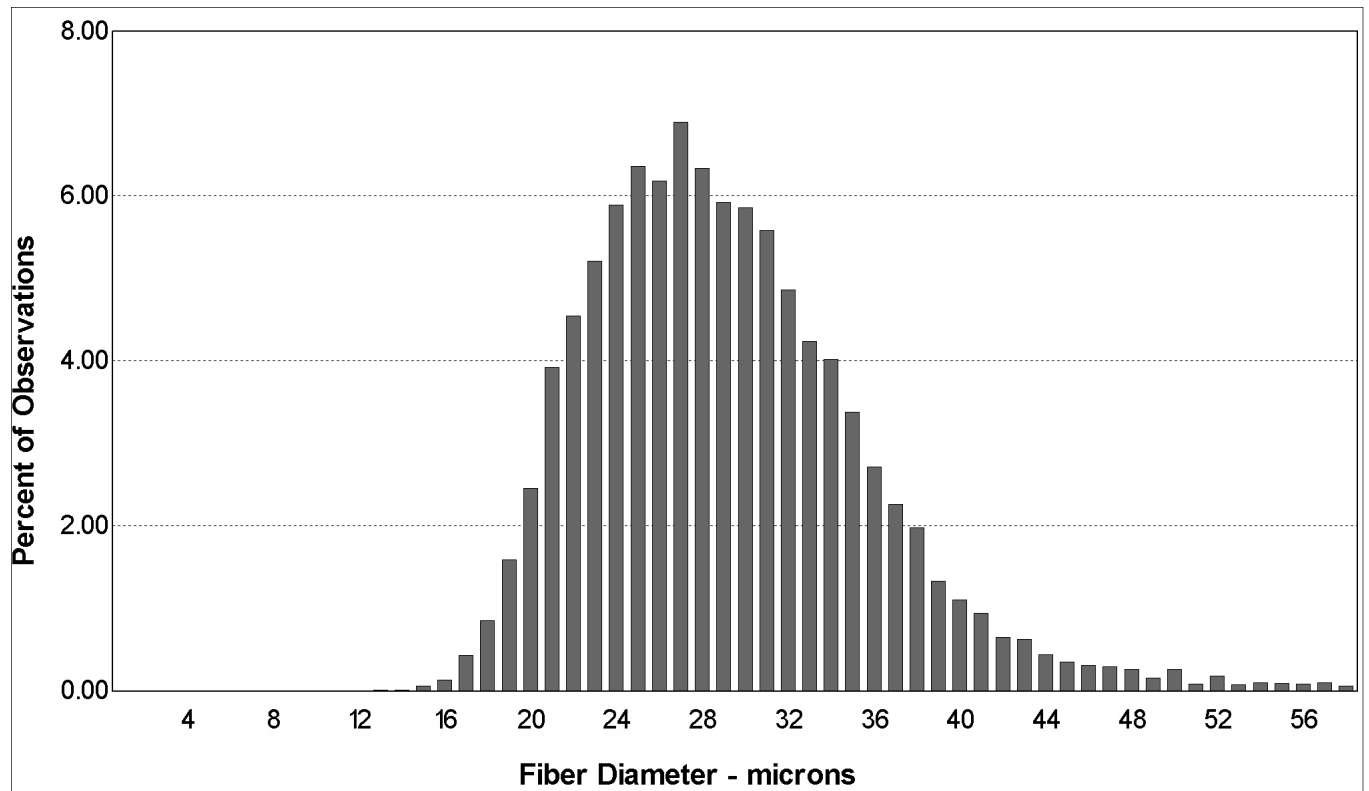
Animal and Sample Description

Animal Name: Napoleon's Piper
ARI #: 31179393
Breed: Alpaca(Huacaya)
Sex: Female
Color: Bay Black

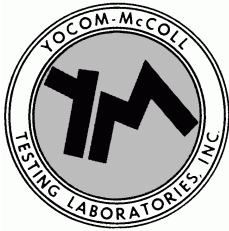
Date of Birth (Age): 09/17/08
Sample Location: Side
Sample Date: 05/06/14
Previous Shear Date: 04/18/14
Total Fleece Wt (lbs): 5.50

Laboratory Data

Mean Fiber Diameter:	29.4 microns	Mean Staple Length:	70.6 mm
Standard Deviation:	7.3 microns	Length Standard Deviation:	3.7 mm
Coefficient of Variation:	24.7 %	Length Coefficient of Variation:	5.2 %
Spin Fineness:	29.6 microns	Mean Curvature:	29.1 deg/mm
Fibers Greater Than 30 microns:	37.3 %	SD Curvature:	16.5 deg/mm
Comfort Factor:	62.7 %		



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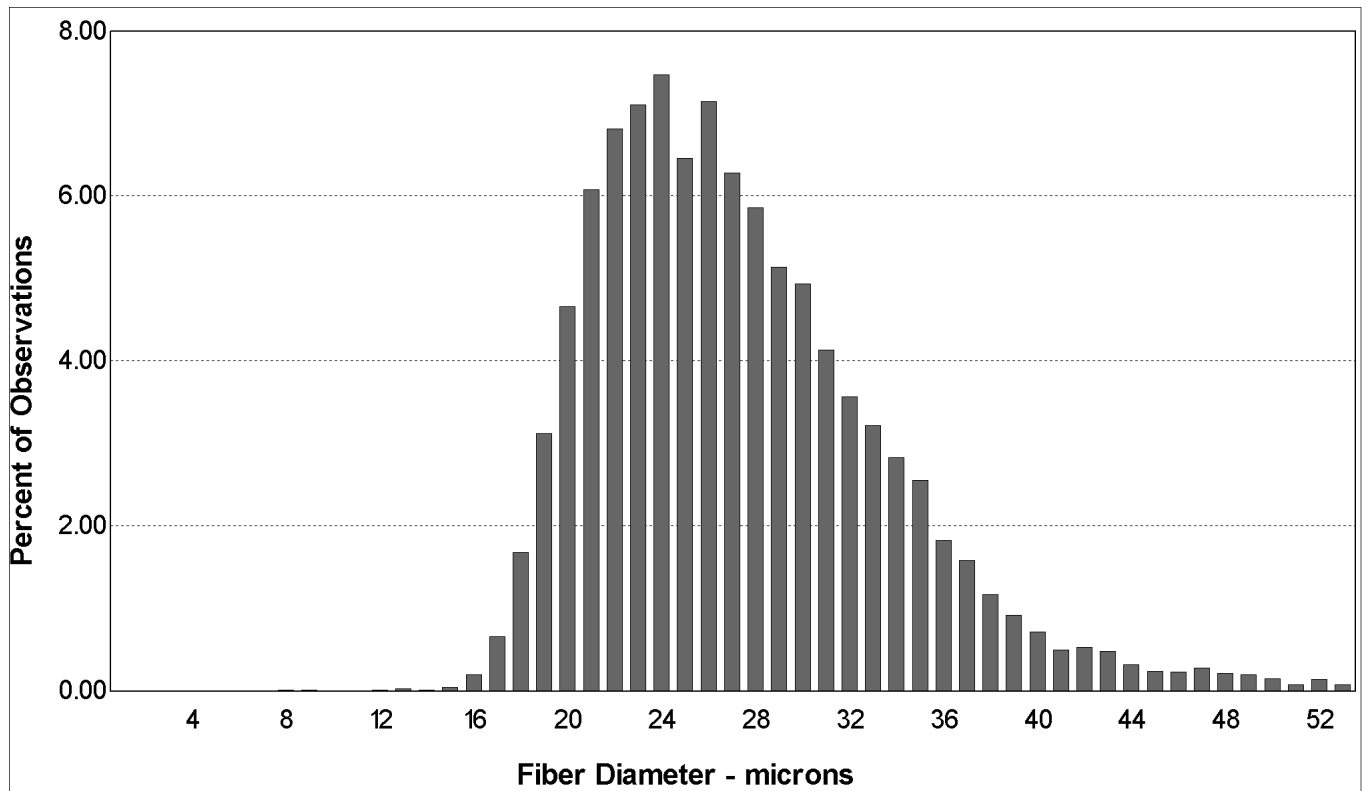
Date: 06/28/14
Shear ID: 74204
Test No: 483118

Animal and Sample Description

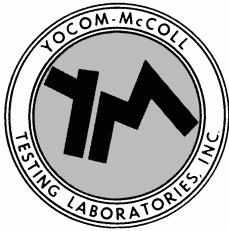
Animal Name: Napoleon's Paris	Date of Birth (Age): 04/07/09
ARI #: 31179201	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/06/14
Sex: Female	Previous Shear Date: 05/04/13
Color: Med Fawn	Total Fleece Wt (lbs): 7.40

Laboratory Data

Mean Fiber Diameter: 27.4 microns	Mean Staple Length: 91.2 mm
Standard Deviation: 6.4 microns	Length Standard Deviation: 2.4 mm
Coefficient of Variation: 23.5 %	Length Coefficient of Variation: 2.6 %
Spin Fineness: 27.3 microns	Mean Curvature: 31.0 deg/mm
Fibers Greater Than 30 microns: 26.3 %	SD Curvature: 17.9 deg/mm
Comfort Factor: 73.7 %	



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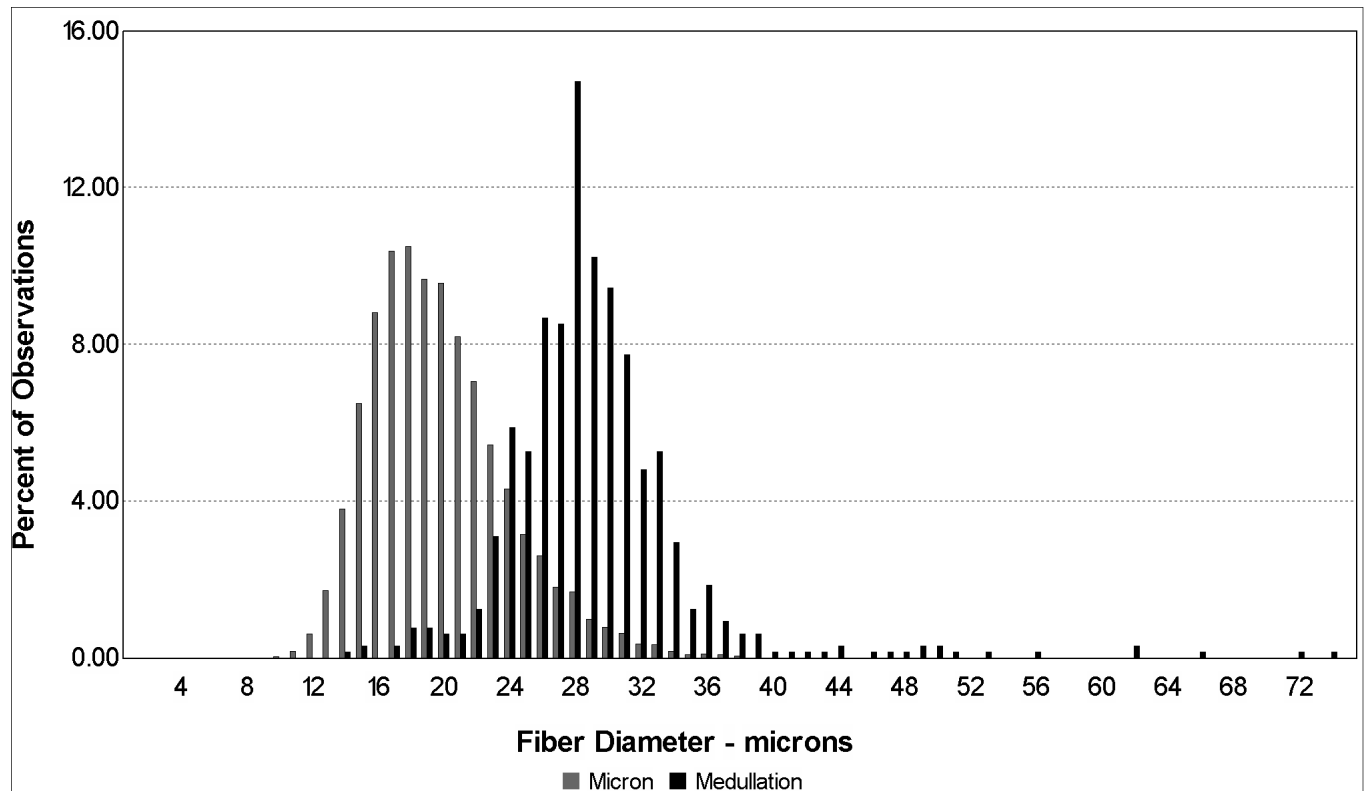
Date: 06/28/14
Shear ID: 74208
Test No: 483119

Animal and Sample Description

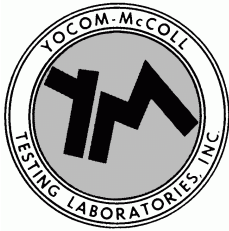
Animal Name: Royal Plush's Chrystal	Date of Birth (Age): 09/28/11
ARI #: 31179430	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/06/14
Sex: Female	Previous Shear Date: 05/04/13
Color: White	Total Fleece Wt (lbs): 6.60

Laboratory Data

Mean Fiber Diameter: 19.9 microns	Mean Staple Length: 96.4 mm
Standard Deviation: 4.6 microns	Length Standard Deviation: 5.2 mm
Coefficient of Variation: 22.8 %	Length Coefficient of Variation: 5.4 %
Spin Fineness: 19.7 microns	Mean Curvature: 46.1 deg/mm
Fibers Greater Than 30 microns: 2.2 %	SD Curvature: 24.1 deg/mm
Comfort Factor: 97.8 %	Medullated Fibers: 5.8 %



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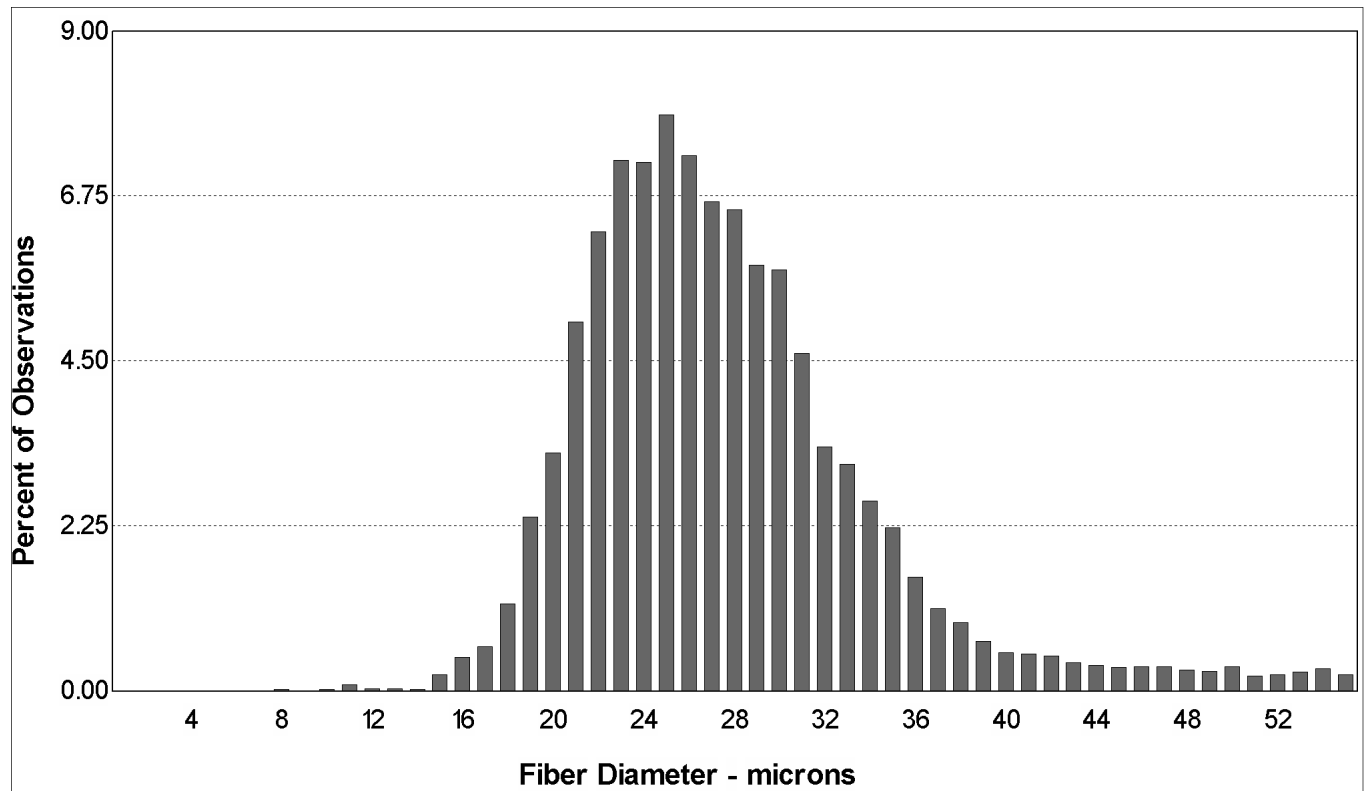
Date: 06/28/14
Shear ID: 74207
Test No: 483120

Animal and Sample Description

Animal Name: Royal Plush Lil Bit Cinnamon	Date of Birth (Age): 11/10/07
ARI #: 31134460	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/06/14
Sex: Female	Previous Shear Date: 05/04/13
Color: Lt Rose Grey	Total Fleece Wt (lbs): 4.20

Laboratory Data

Mean Fiber Diameter: 27.9 microns	Mean Staple Length: 65.6 mm
Standard Deviation: 7.0 microns	Length Standard Deviation: 4.3 mm
Coefficient of Variation: 25.2 %	Length Coefficient of Variation: 6.5 %
Spin Fineness: 28.2 microns	Mean Curvature: 33.3 deg/mm
Fibers Greater Than 30 microns: 26.0 %	SD Curvature: 20.4 deg/mm
Comfort Factor: 74.0 %	



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