

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**

Colusa Riverside Alpacas/David D./Sheila Scroggins
 6909 Codorniz Rd
 Colusa CA 95932 USA

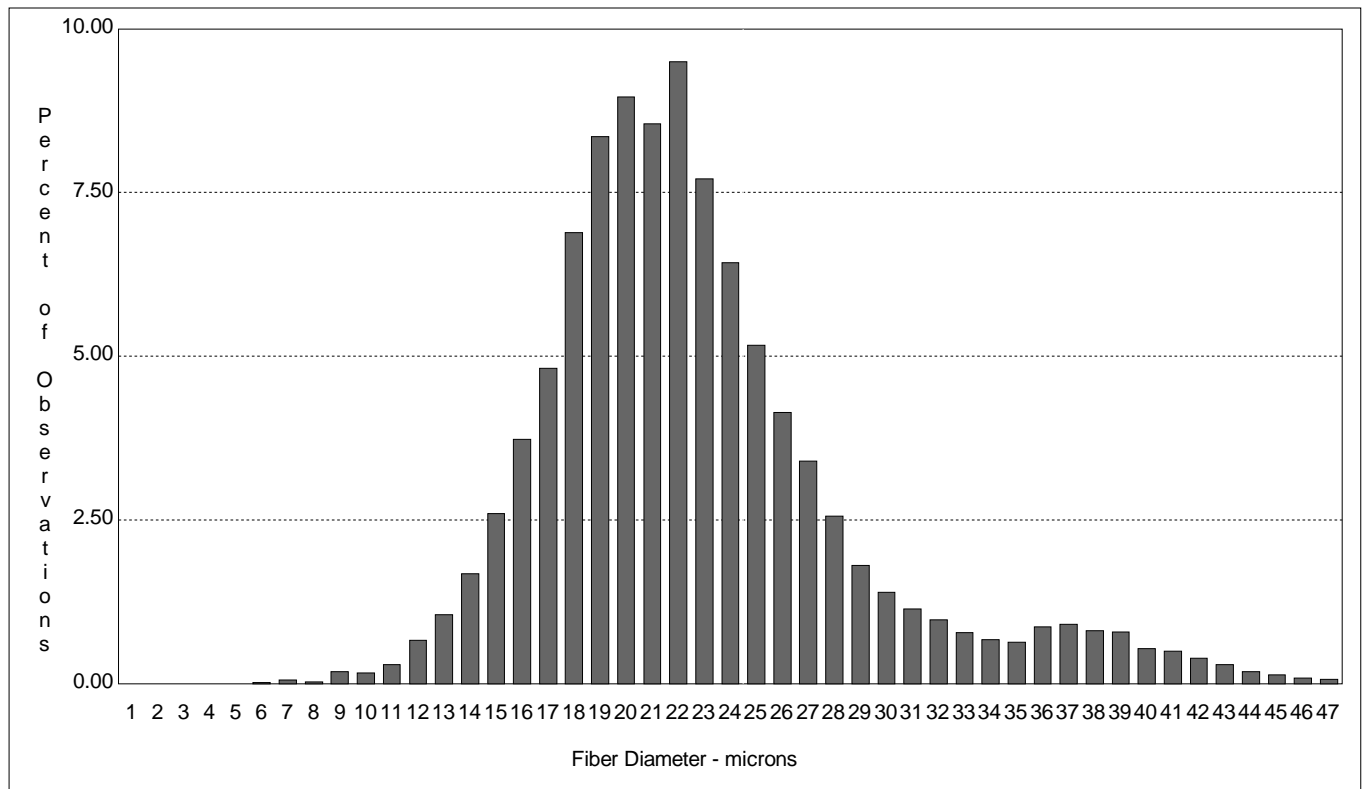
Date: 07/26/11
Shear ID: 3344
Test No: 407416

Animal and Sample Description

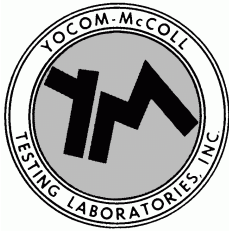
Animal Name:	Bartolomeo's Mia	Date of Birth (Age):	11/30/10
ARI #:	31336413	Sample Location:	Side
Breed:	Alpaca(Huacaya)	Sample Date:	04/08/11
Sex:	Female	Previous Shear Date:	04/30/10
Color:	Dark Fawn	Total Fleece Wt (lbs):	2.60

Laboratory Data

Mean Fiber Diameter:	22.7 microns	Mean Staple Length:	75.4 mm
Standard Deviation:	6.1 microns	Length Standard Deviation:	9.3 mm
Coefficient of Variation:	26.9 %	Length Coefficient of Variation:	12.3 %
Spin Fineness:	23.3 microns	Mean Curvature:	29.8 deg/mm
Fibers Greater Than 30 microns:	9.9 %	SD Curvature:	21.5 deg/mm
Comfort Factor:	90.1 %		



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



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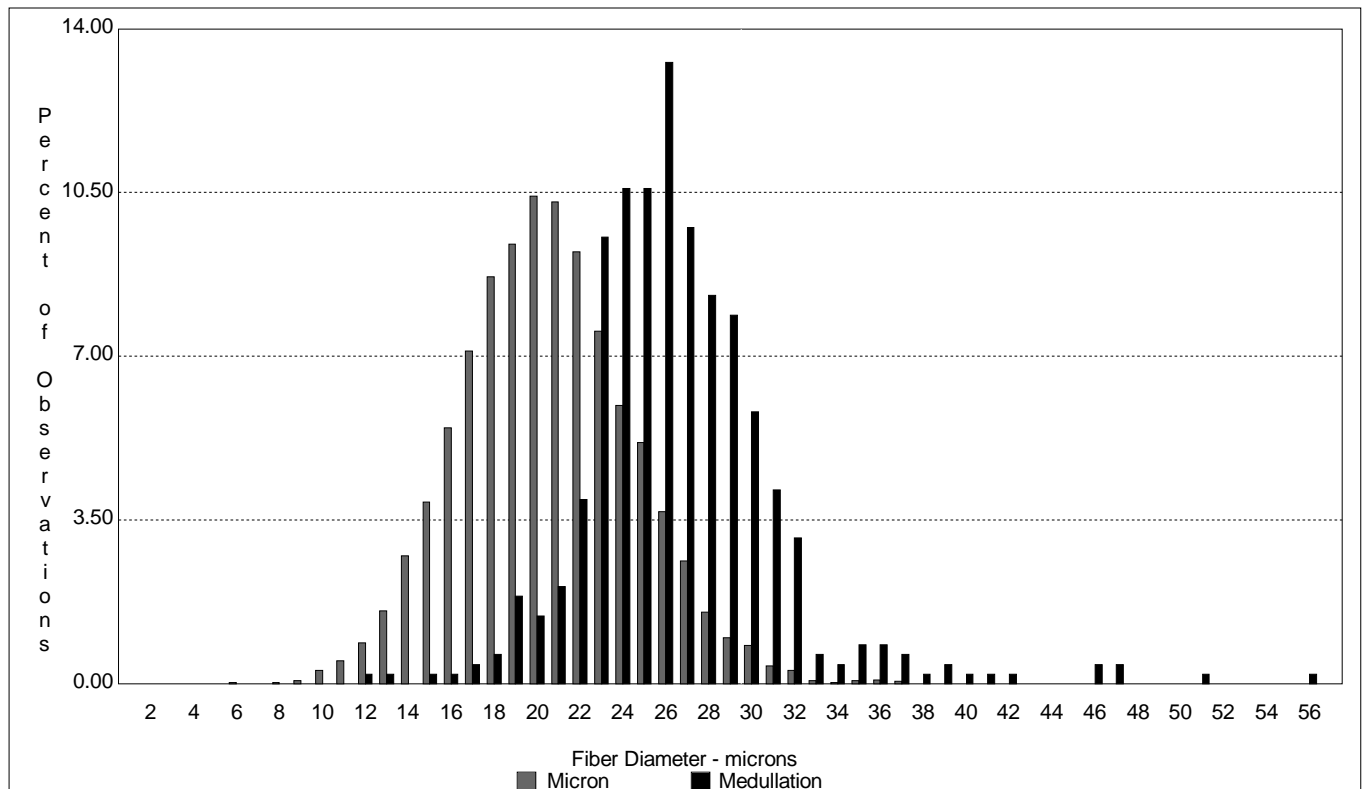
Date: 07/26/11
Shear ID: 3333
Test No: 407417

Animal and Sample Description

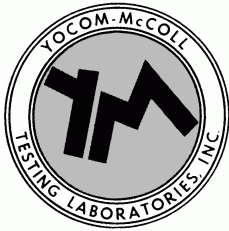
Animal Name: Arapaho Snow's Macchu Picchu	Date of Birth (Age): 09/04/08
ARI #: 30853478	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 04/08/08
Sex: Male	Previous Shear Date: 04/30/10
Color: Beige	Total Fleece Wt (lbs): 9.00

Laboratory Data

Mean Fiber Diameter: 20.6 microns	Mean Staple Length: 111.8 mm
Standard Deviation: 4.2 microns	Length Standard Deviation: 5.9 mm
Coefficient of Variation: 20.2 %	Length Coefficient of Variation: 5.3 %
Spin Fineness: 19.9 microns	Mean Curvature: 40.9 deg/mm
Fibers Greater Than 30 microns: 1.1 %	SD Curvature: 24.6 deg/mm
Comfort Factor: 98.9 %	Medullated Fibers: 5.9 %



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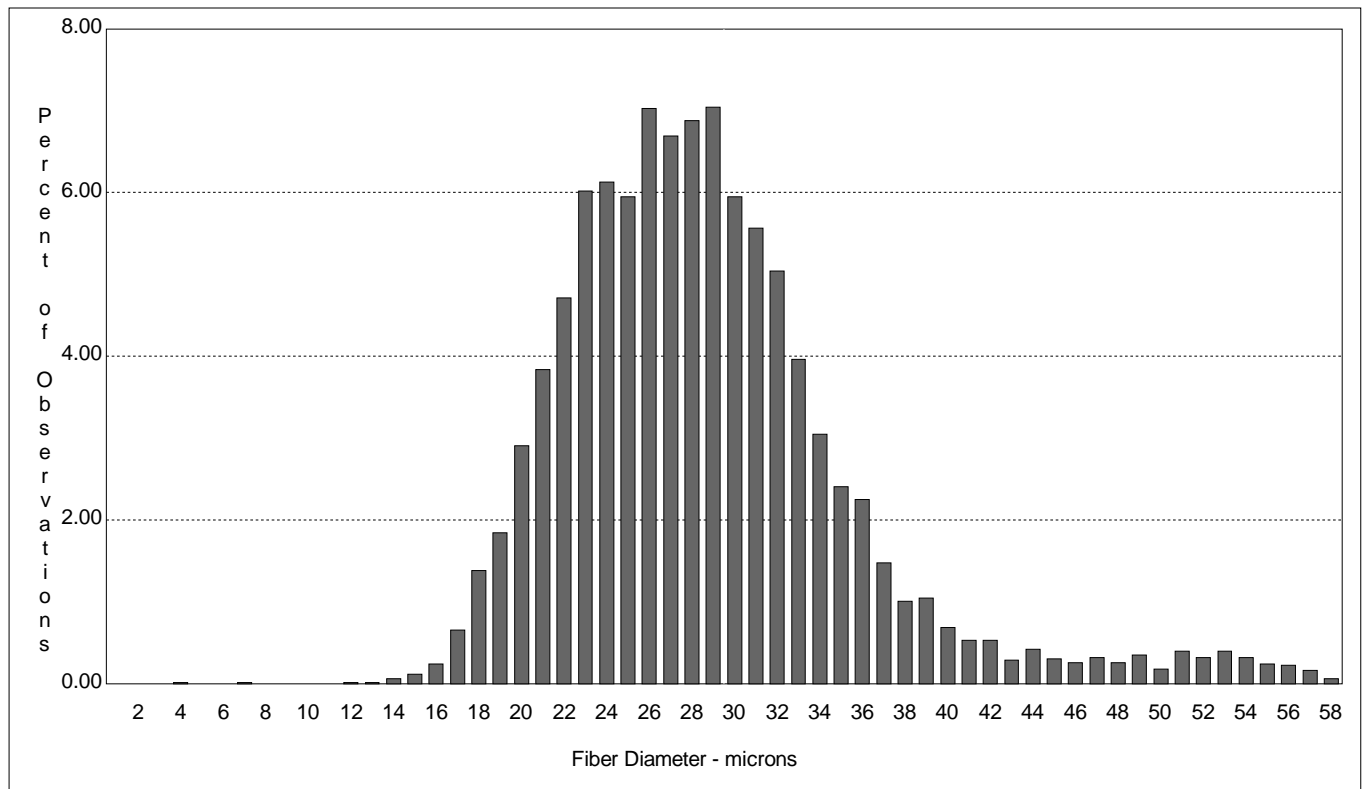
Date: 07/26/11
Shear ID: 3335
Test No: 407418

Animal and Sample Description

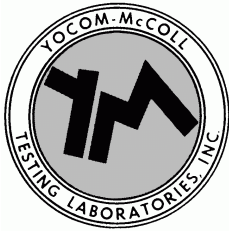
Animal Name: Bartolomeo Arrogante	Date of Birth (Age): 11/09/05
ARI #: 30007372	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 04/08/11
Sex: Male	Previous Shear Date: 04/30/10
Color: Med Fawn	Total Fleece Wt (lbs): 9.00

Laboratory Data

Mean Fiber Diameter: 28.9 microns	Mean Staple Length: 94.8 mm
Standard Deviation: 7.3 microns	Length Standard Deviation: 3.2 mm
Coefficient of Variation: 25.4 %	Length Coefficient of Variation: 3.4 %
Spin Fineness: 29.2 microns	Mean Curvature: 29.0 deg/mm
Fibers Greater Than 30 microns: 32.5 %	SD Curvature: 19.9 deg/mm
Comfort Factor: 67.5 %	



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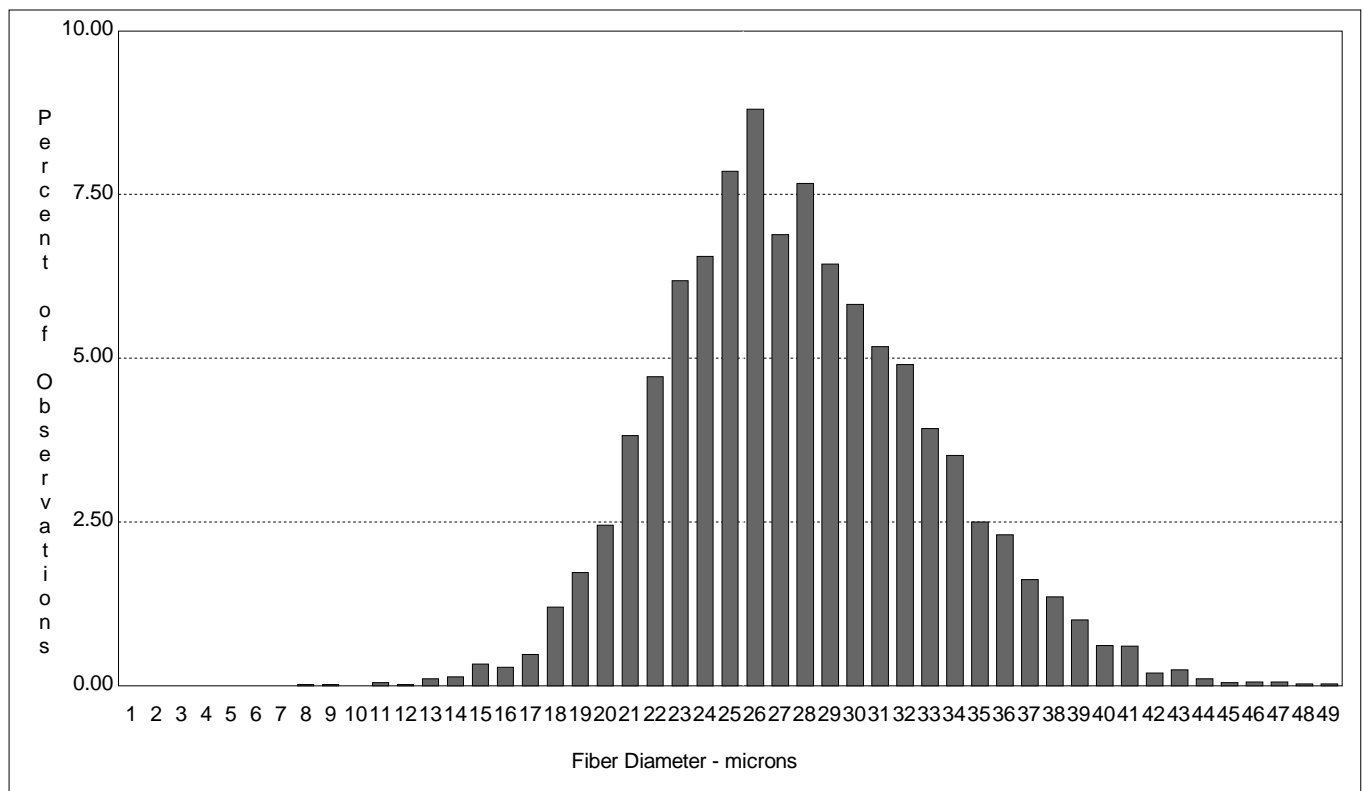
Date: 07/26/11
Shear ID: 3341
Test No: 407419

Animal and Sample Description

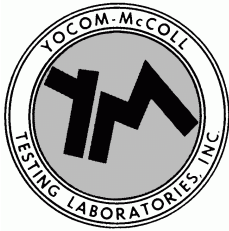
Animal Name: Malory Rose	Date of Birth (Age): 07/25/08
ARI #: 31893725	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 04/04/11
Sex: Female	Previous Shear Date: 04/30/10
Color: Med Rose Grey	Total Fleece Wt (lbs): 4.60

Laboratory Data

Mean Fiber Diameter: 27.8 microns	Mean Staple Length: 69.0 mm
Standard Deviation: 5.4 microns	Length Standard Deviation: 2.6 mm
Coefficient of Variation: 19.4 %	Length Coefficient of Variation: 3.7 %
Spin Fineness: 26.7 microns	Mean Curvature: 34.8 deg/mm
Fibers Greater Than 30 microns: 28.4 %	SD Curvature: 23.1 deg/mm
Comfort Factor: 71.6 %	



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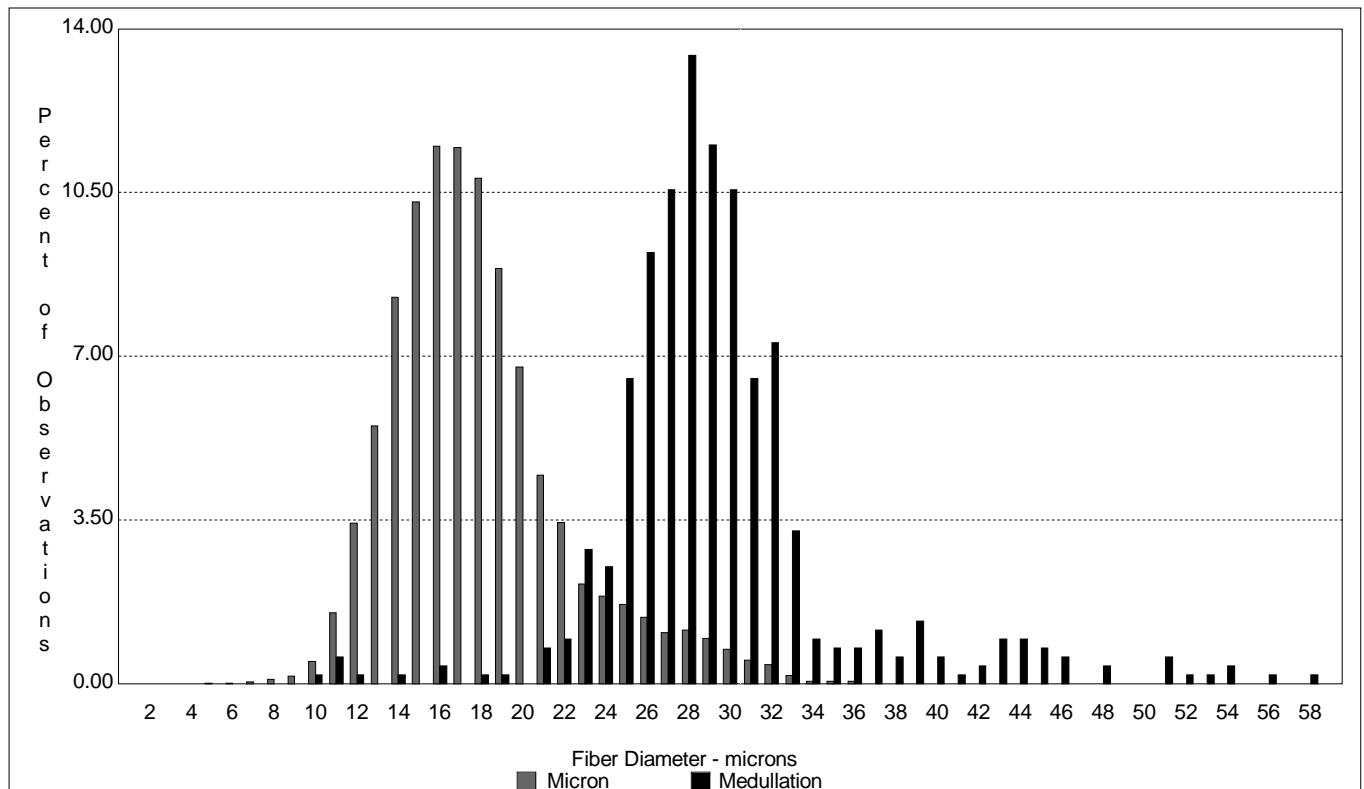
Date: 07/26/11
Shear ID: 3336
Test No: 407420

Animal and Sample Description

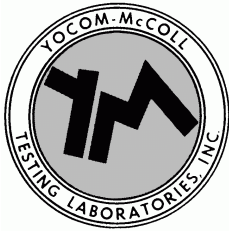
Animal Name: Cheveyo's Easter Eve	Date of Birth (Age): 04/03/10
ARI #: 31346351	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 04/08/11
Sex: Female	Previous Shear Date: 04/30/10
Color: White	Total Fleece Wt (lbs): 6.00

Laboratory Data

Mean Fiber Diameter: 18.0 microns	Mean Staple Length: 116.6 mm
Standard Deviation: 4.6 microns	Length Standard Deviation: 3.7 mm
Coefficient of Variation: 25.7 %	Length Coefficient of Variation: 3.1 %
Spin Fineness: 18.3 microns	Mean Curvature: 45.8 deg/mm
Fibers Greater Than 30 microns: 1.8 %	SD Curvature: 25.7 deg/mm
Comfort Factor: 98.2 %	Medullated Fibers: 5.0 %



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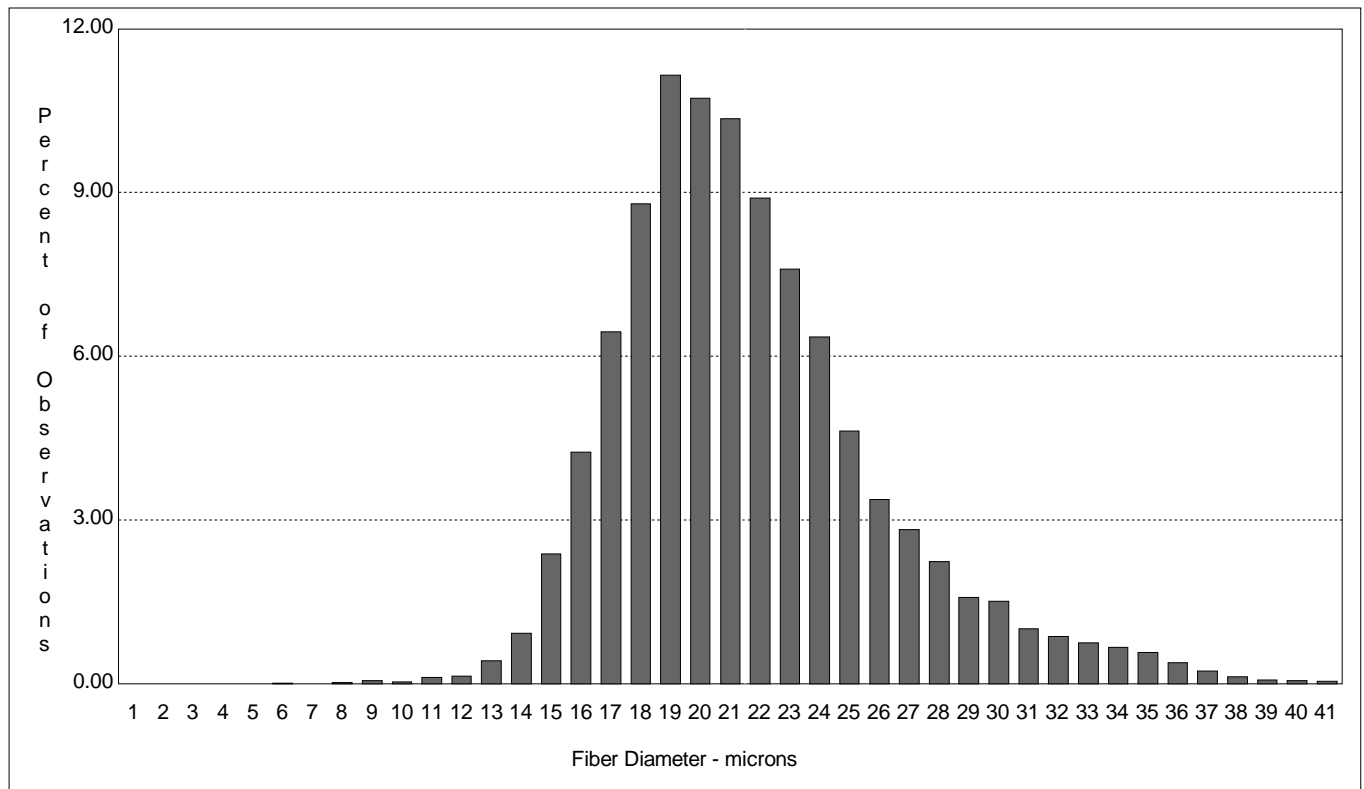
Date: 07/26/11
Shear ID: 3337
Test No: 407421

Animal and Sample Description

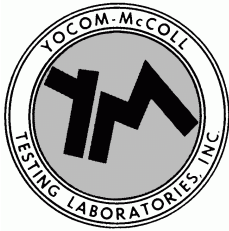
Animal Name: Cheveyo's Harmony	Date of Birth (Age): 03/13/10
ARI #: 31346344	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 04/08/11
Sex: Female	Previous Shear Date: 04/30/10
Color: Med Fawn	Total Fleece Wt (lbs): 7.80

Laboratory Data

Mean Fiber Diameter: 21.8 microns	Mean Staple Length: 111.2 mm
Standard Deviation: 4.8 microns	Length Standard Deviation: 3.1 mm
Coefficient of Variation: 22.1 %	Length Coefficient of Variation: 2.8 %
Spin Fineness: 21.4 microns	Mean Curvature: 40.5 deg/mm
Fibers Greater Than 30 microns: 5.2 %	SD Curvature: 24.0 deg/mm
Comfort Factor: 94.8 %	



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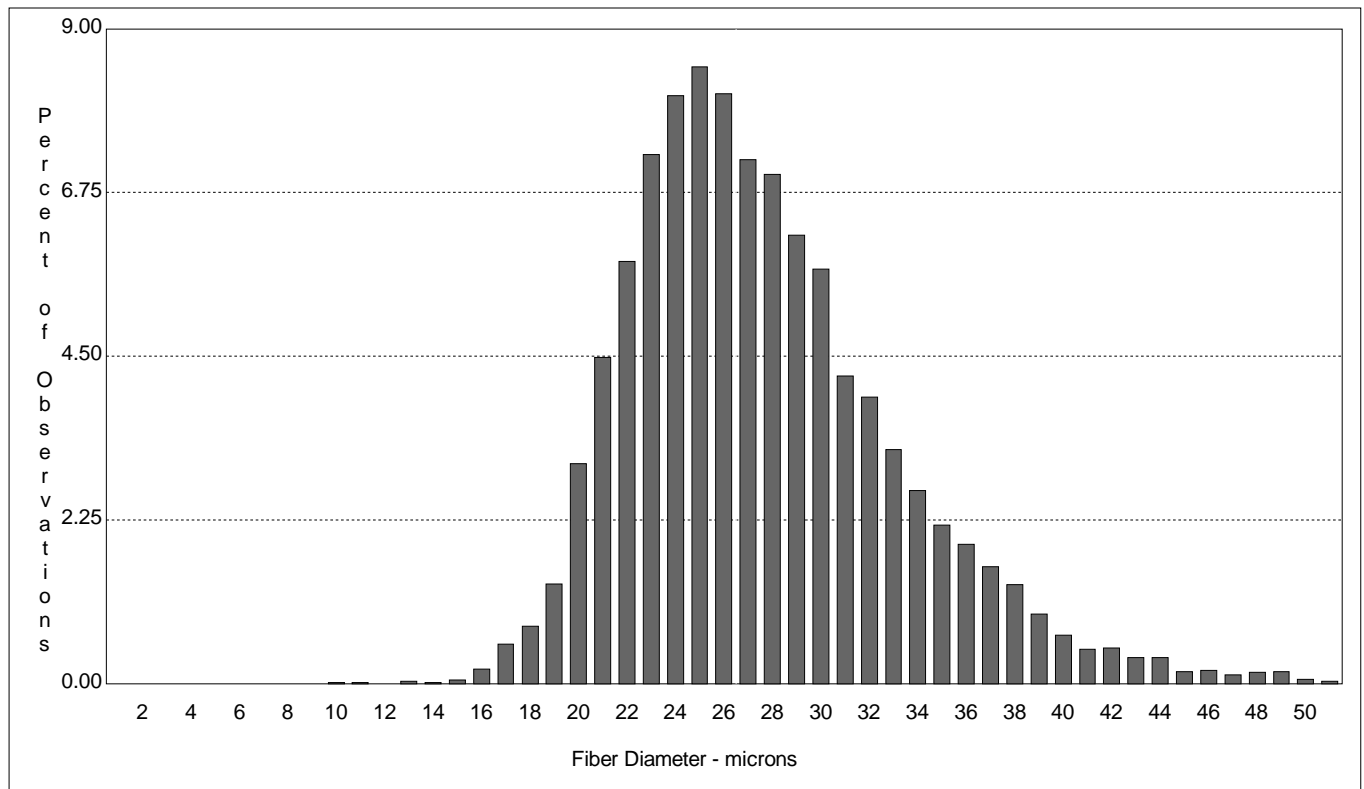
Date: 07/26/11
Shear ID: 3332
Test No: 407422

Animal and Sample Description

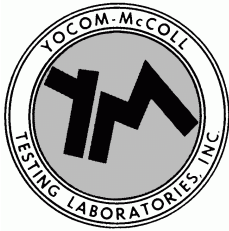
Animal Name: Arapaho Prodigy's Pheromone	Date of Birth (Age): 03/02/08
ARI #: 31117067	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 04/08/11
Sex: Female	Previous Shear Date: 04/30/10
Color: Lt Fawn	Total Fleece Wt (lbs): 9.10

Laboratory Data

Mean Fiber Diameter: 27.7 microns	Mean Staple Length: 110.0 mm
Standard Deviation: 5.9 microns	Length Standard Deviation: 2.9 mm
Coefficient of Variation: 21.2 %	Length Coefficient of Variation: 2.7 %
Spin Fineness: 27.0 microns	Mean Curvature: 32.6 deg/mm
Fibers Greater Than 30 microns: 25.7 %	SD Curvature: 19.9 deg/mm
Comfort Factor: 74.3 %	



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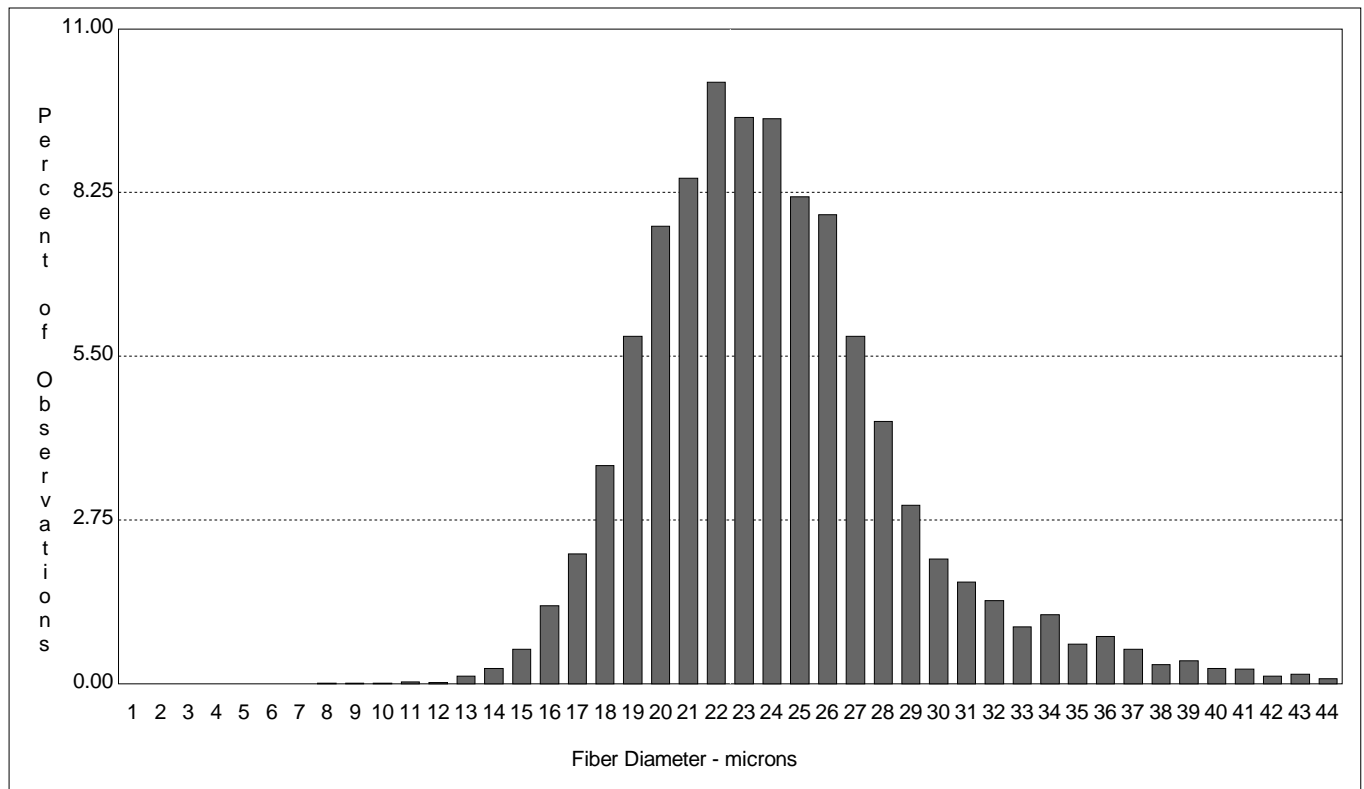
Date: 07/26/11
Shear ID: 3340
Test No: 407423

Animal and Sample Description

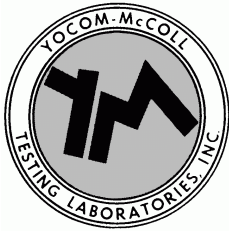
Animal Name: Indy Jones	Date of Birth (Age): 07/03/07
ARI #: 31893749	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 04/08/11
Sex: Male	Previous Shear Date: 04/30/10
Color: Lt Rose Grey	Total Fleece Wt (lbs): 7.20

Laboratory Data

Mean Fiber Diameter: 24.2 microns	Mean Staple Length: 96.4 mm
Standard Deviation: 5.1 microns	Length Standard Deviation: 4.0 mm
Coefficient of Variation: 21.3 %	Length Coefficient of Variation: 4.2 %
Spin Fineness: 23.6 microns	Mean Curvature: 41.5 deg/mm
Fibers Greater Than 30 microns: 9.3 %	SD Curvature: 24.3 deg/mm
Comfort Factor: 90.7 %	



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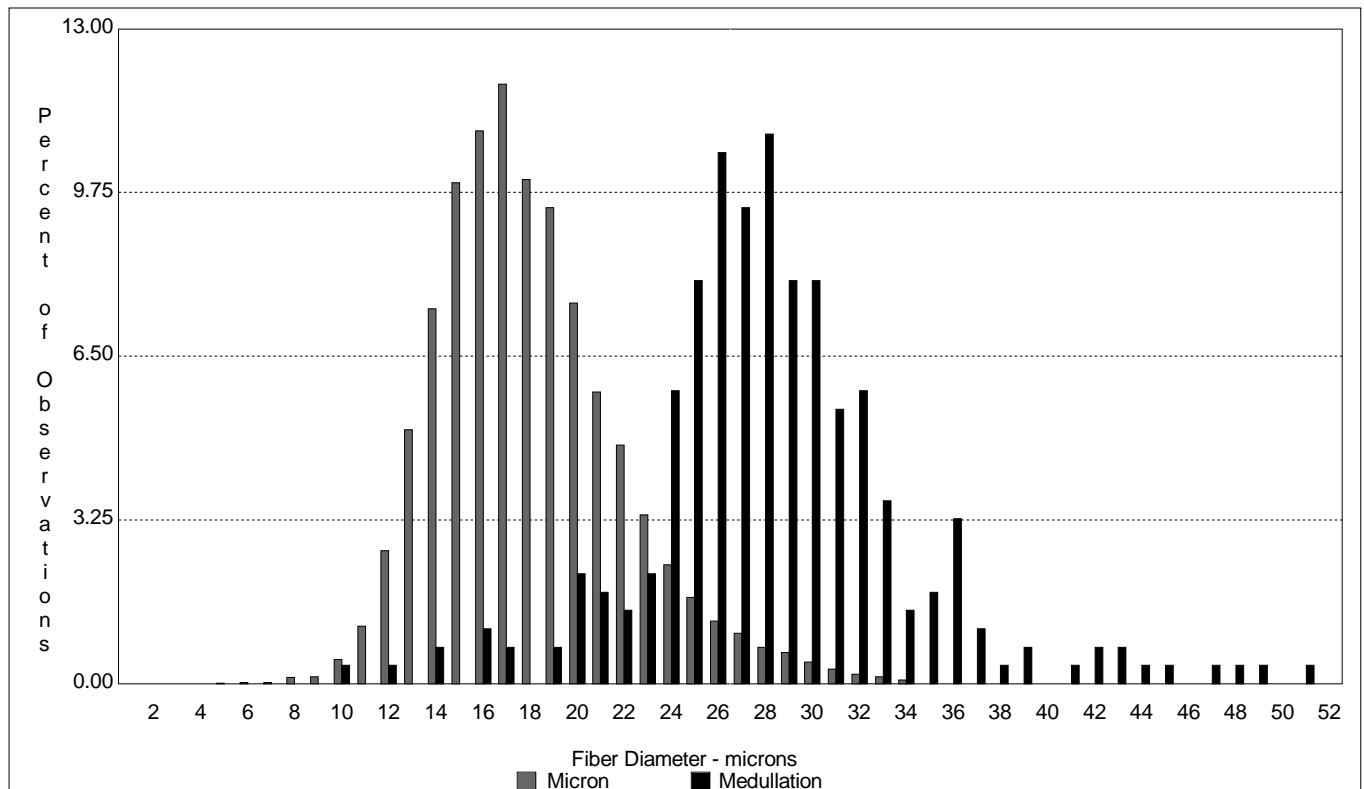
Date: 07/26/11
Shear ID: 3334
Test No: 407424

Animal and Sample Description

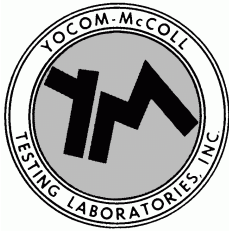
Animal Name: Arapaho Whitney Snow	Date of Birth (Age): 05/20/08
ARI #: 31117128	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 04/08/11
Sex: Female	Previous Shear Date: 03/18/10
Color: White	Total Fleece Wt (lbs): 5.60

Laboratory Data

Mean Fiber Diameter: 18.1 microns	Mean Staple Length: 62.0 mm
Standard Deviation: 4.2 microns	Length Standard Deviation: 4.7 mm
Coefficient of Variation: 23.1 %	Length Coefficient of Variation: 7.6 %
Spin Fineness: 17.9 microns	Mean Curvature: 66.1 deg/mm
Fibers Greater Than 30 microns: 1.1 %	SD Curvature: 35.9 deg/mm
Comfort Factor: 98.9 %	Medullated Fibers: 2.8 %



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Date: 07/26/11
Shear ID: 3343
Test No: 407425

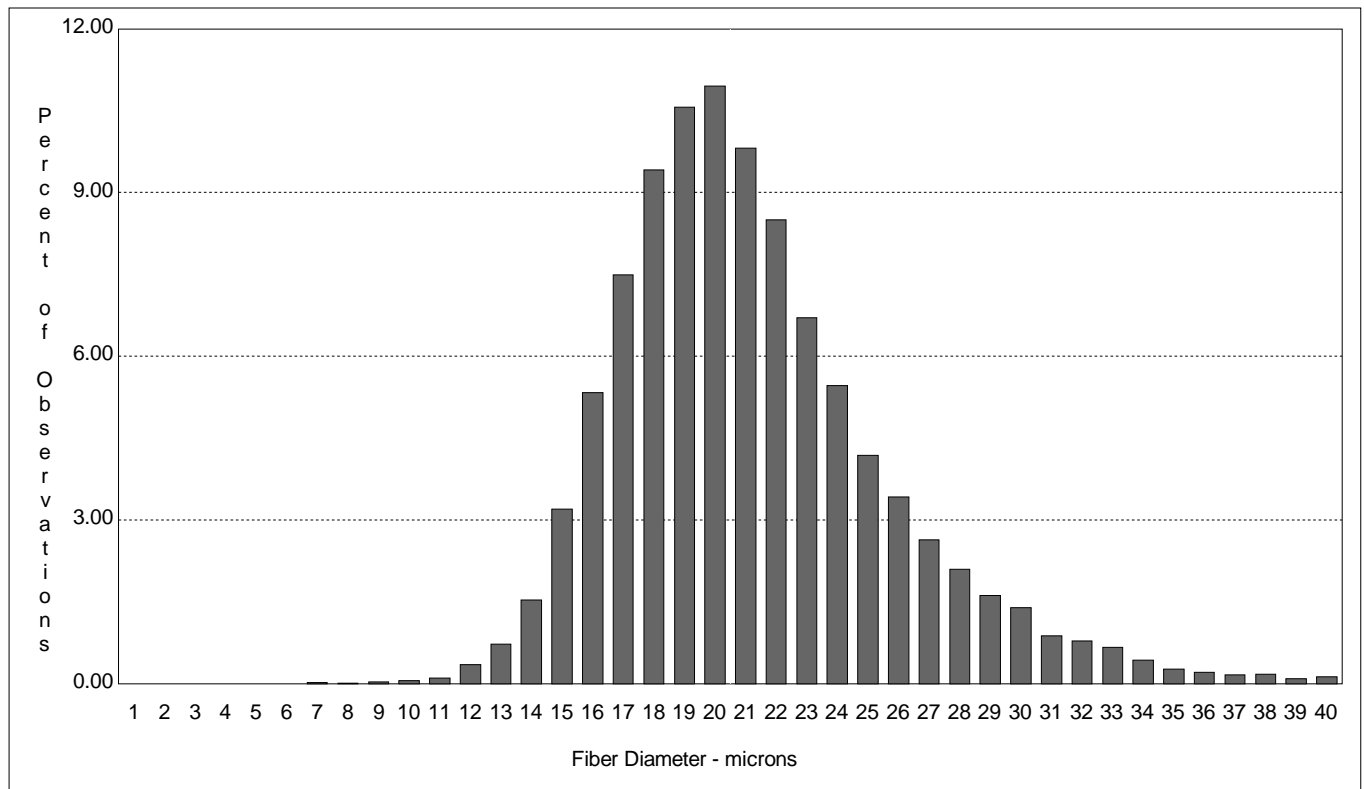
Animal and Sample Description

Animal Name: Santa Fe Arrogante
ARI #: 31893718
Breed: Alpaca(Huacaya)
Sex: Male
Color: Med Fawn

Date of Birth (Age): 02/18/10
Sample Location: Side
Sample Date: 04/08/11
Previous Shear Date: 04/30/10
Total Fleece Wt (lbs): 6.60

Laboratory Data

Mean Fiber Diameter:	21.3 microns	Mean Staple Length:	122.6 mm
Standard Deviation:	4.9 microns	Length Standard Deviation:	2.6 mm
Coefficient of Variation:	23.1 %	Length Coefficient of Variation:	2.1 %
Spin Fineness:	21.1 microns	Mean Curvature:	35.3 deg/mm
Fibers Greater Than 30 microns:	4.4 %	SD Curvature:	22.1 deg/mm
Comfort Factor:	95.6 %		



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