



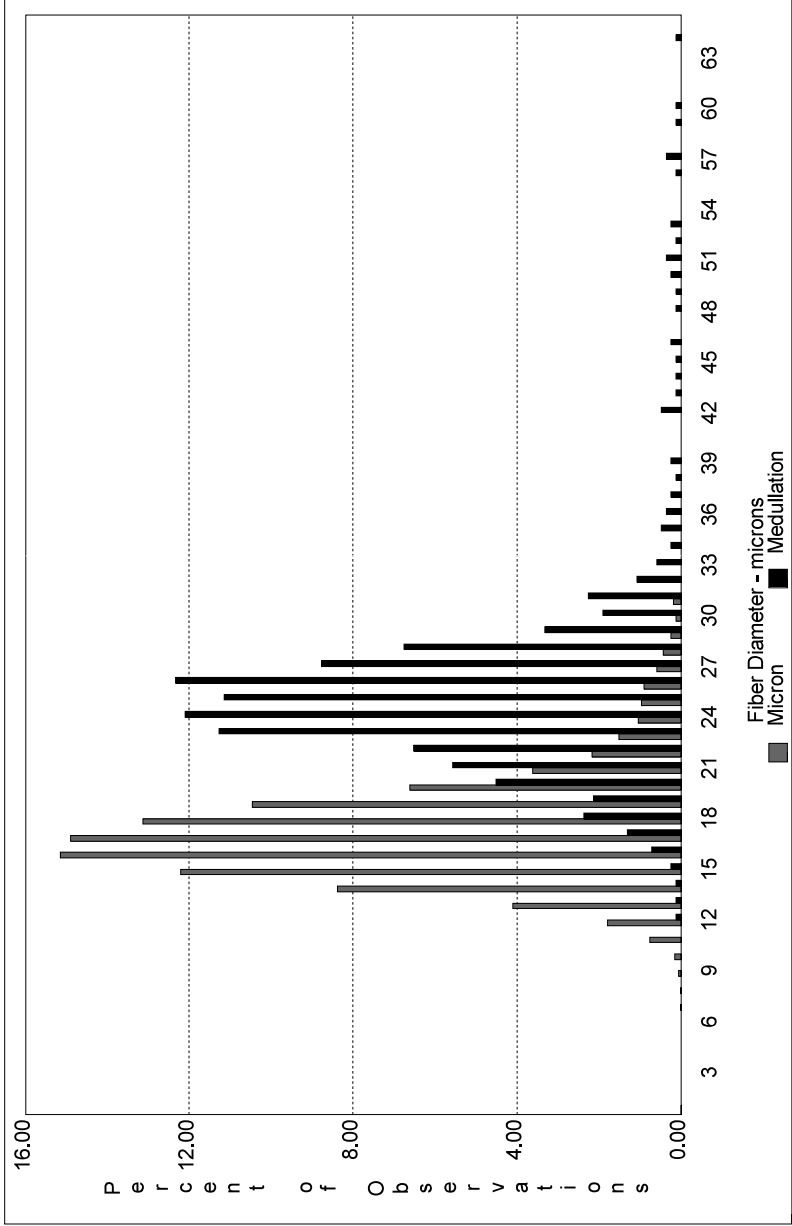
Yocom-McColl Testing Laboratories, Inc.
 540 West Elk Place • Denver, Colorado 80216-1823 USA
 PHONE (303) 294-0582 • FAX (303) 295-6944
 EMAIL: ymccoll@ymccoll.com

Optical Fiber Diameter Analyser (OFDA 100) Micron Test Report

Date: 05/24/11
Test No: 403218
Farm Name: RobAsia Alpaca Ranch LLC
Breeder: Robert Stephens
Address: 611 Norstad Road
 Manitowoc WI 54220 USA

Animal and Sample Description
Animal Name: Snowmass Matrix Magical Charm
Breed: Alpaca(Huacaya)
Sex: Female
Color: Beige
Animal ID: 32124651
Sample Location: Side
Sample Date: 05/07/11
Previous Shear Date: N/A
Date of Birth (Age): 06/09/10
Total Fleece Wt (lbs): 2.300

Laboratory Data
Mean Fiber Diameter: 17.4 microns
Standard Deviation: 3.6 microns
Coefficient of Variation: 20.4 %
Spin Fineness: 16.9 microns
Fibers >Than 30 microns: 0.7 %
Comfort Factor: 99.3 %
Mean Staple Length: 124.6 mm
Length Standard Deviation: 6.4 mm
Length Coefficient of Variation: 5.1 %
Mean Curvature: 52.4 deg/mm
SD Curvature: 27.2 deg/mm
Medullated Fibers: 5.9 %



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



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Optical Fiber Diameter Analyser (OFDA 100) Micron Test Report

RobAsia Alpaca Ranch LLC/Joanna and Robert Stephens
611 Norstad Rd
Manitowoc WI 54220-9769 USA

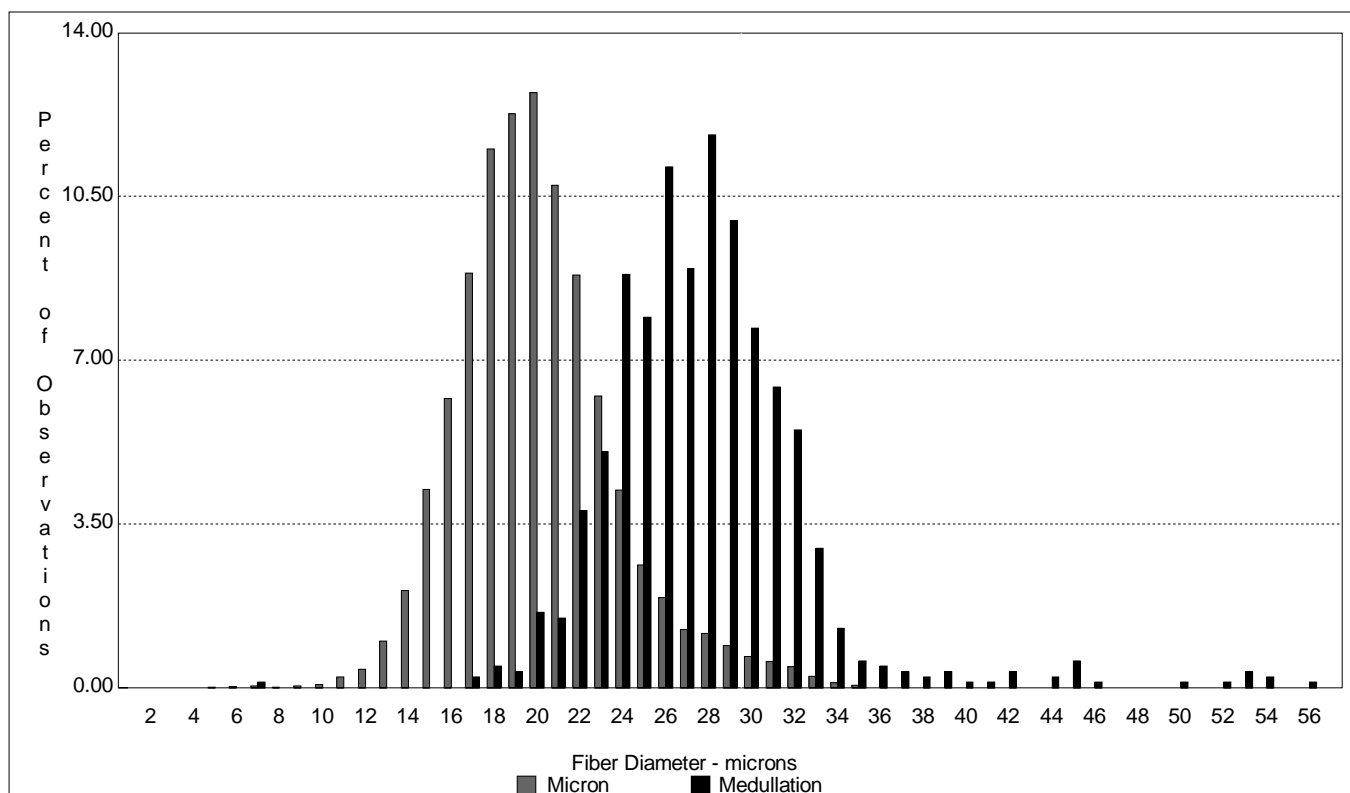
Date: 06/07/12
Shear ID: 24838
Test No: 429958

Animal and Sample Description

Animal Name: Snowmass Matrix Magical Charm	Date of Birth (Age): 06/09/10
ARI #: 32124651	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/05/12
Sex: Female	Previous Shear Date: 05/07/11
Color: Beige	Total Fleece Wt (lbs): 10.19

Laboratory Data

Mean Fiber Diameter: 20.1 microns	Mean Staple Length: 116.0 mm
Standard Deviation: 3.9 microns	Length Standard Deviation: 5.2 mm
Coefficient of Variation: 19.4 %	Length Coefficient of Variation: 4.5 %
Spin Fineness: 19.3 microns	Mean Curvature: 41.4 deg/mm
Fibers Greater Than 30 microns: 1.7 %	SD Curvature: 25.1 deg/mm
Comfort Factor: 98.3 %	Medullated Fibers: 7.7 %



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Optical Fiber Diameter Analyser (OFDA 100) Micron Test Report

RobAsia Alpaca Ranch LLC/Robert & Joanna Stephens
611 Norstad Rd
Manitowoc WI 54220-9769 USA

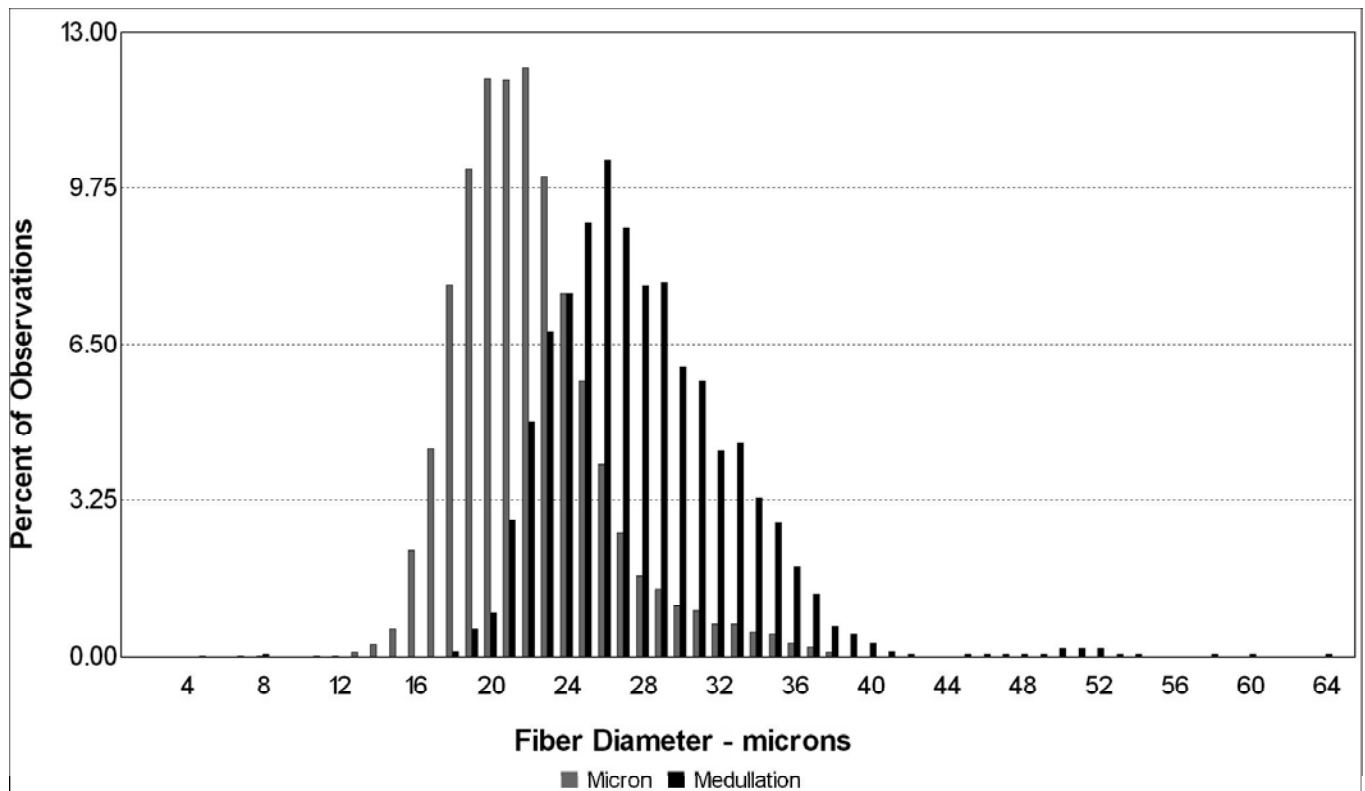
Date: 05/22/13
Shear ID: 40962
Test No: 454001

Animal and Sample Description

Animal Name: Snowmass Matrix Magical Charm	Date of Birth (Age): 06/09/10
ARI #: 32124651	Sample Location: Side
Breed: Alpaca(Huacaya)	Sample Date: 05/04/13
Sex: Female	Previous Shear Date: 05/05/12
Color: Beige	Total Fleece Wt (lbs): 8.26

Laboratory Data

Mean Fiber Diameter: 22.1 microns	Mean Staple Length: 101.6 mm
Standard Deviation: 4.1 microns	Length Standard Deviation: 3.4 mm
Coefficient of Variation: 18.5 %	Length Coefficient of Variation: 3.3 %
Spin Fineness: 21.1 microns	Mean Curvature: 40.5 deg/mm
Fibers Greater Than 30 microns: 4.2 %	SD Curvature: 22.7 deg/mm
Comfort Factor: 95.8 %	Medullated Fibers: 15.0 %



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



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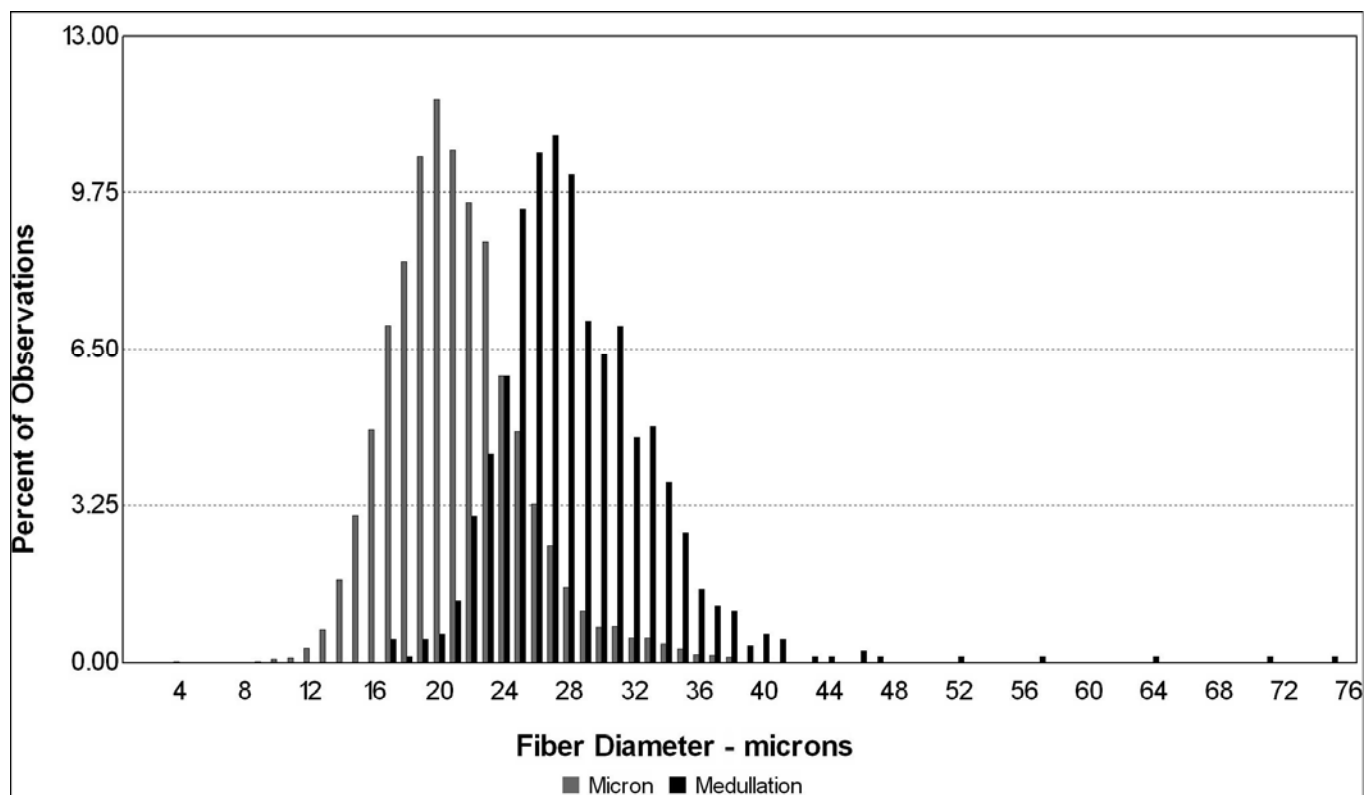
Date: 05/30/14
Shear ID: 75837
Test No: 478635

Animal and Sample Description

Animal Name:	Snowmass Matrix Magical Charm	Date of Birth (Age):	06/09/10
ARI #:	32124651	Sample Location:	Side
Breed:	Alpaca(Huacaya)	Sample Date:	05/03/14
Sex:	Female	Previous Shear Date:	05/04/13
Color:	Beige	Total Fleece Wt (lbs):	10.00

Laboratory Data

Mean Fiber Diameter:	21.1 microns	Mean Staple Length:	91.2 mm
Standard Deviation:	4.3 microns	Length Standard Deviation:	1.9 mm
Coefficient of Variation:	20.3 %	Length Coefficient of Variation:	2.1 %
Spin Fineness:	20.5 microns	Mean Curvature:	37.8 deg/mm
Fibers Greater Than 30 microns:	3.1 %	SD Curvature:	22.7 deg/mm
Comfort Factor:	96.9 %	Medullated Fibers:	9.5 %



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