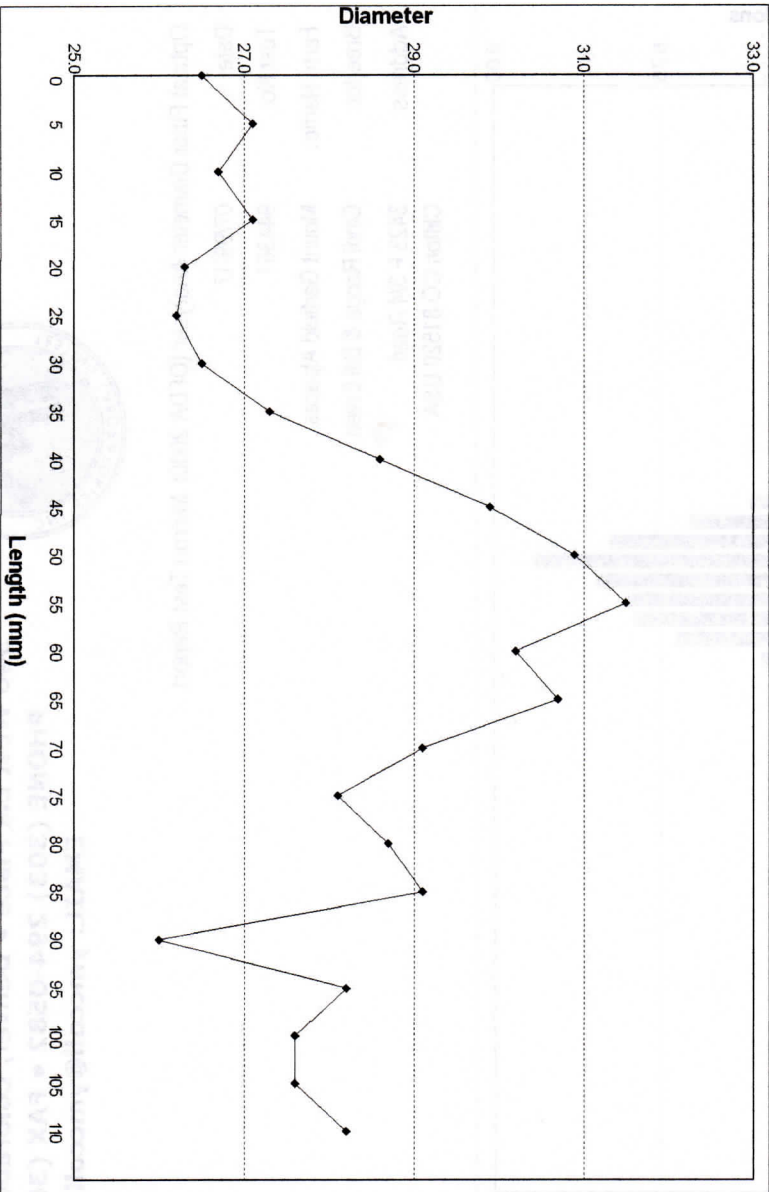




Yocom-McColl Testing Laboratories, Inc.
 540 West Elk Place • Denver, Colorado 80216-1823 USA
 PHONE (303) 294-0582 • FAX (303) 295-6944
 EMAIL: ymccoll@ymccoll.com

Optical Fiber Diameter Analyser (OFDA 2000) Staple Profile Report

Date: 07/09/17
 Test No: 944361
 Farm Name: Mount Garfield Alpacaas
 Breeder: Cindi Range & Bill Erven
 Address: 3423 F 3/4 Road
 Clifton CO 81520 USA



Tested and conditioned under standard conditions for testing textiles

Animal and Sample Description

Animal Name: Gandalf The Grey
 Breed: Alpaca(Huacaya)
 Sex: Male
 Color: Med Silver Grey/Med Rose Grey
 Animal ID: 352820951
 Sample Location: Side
 Sample Date: 05/06/17
 Date of Birth (Age): 05/21/15
 Previous Shear Date: 05/15/16

Staple Data

Staple Length: 115.0 mm
 Min Diameter: 26.0 microns
 Max Diameter: 31.5 microns
 Finest Point From Tip: 90.0 mm
 SD Along Staple: 1.6 microns



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Optical Fiber Diameter Analyser (OFDA 2000) Micron Test Report

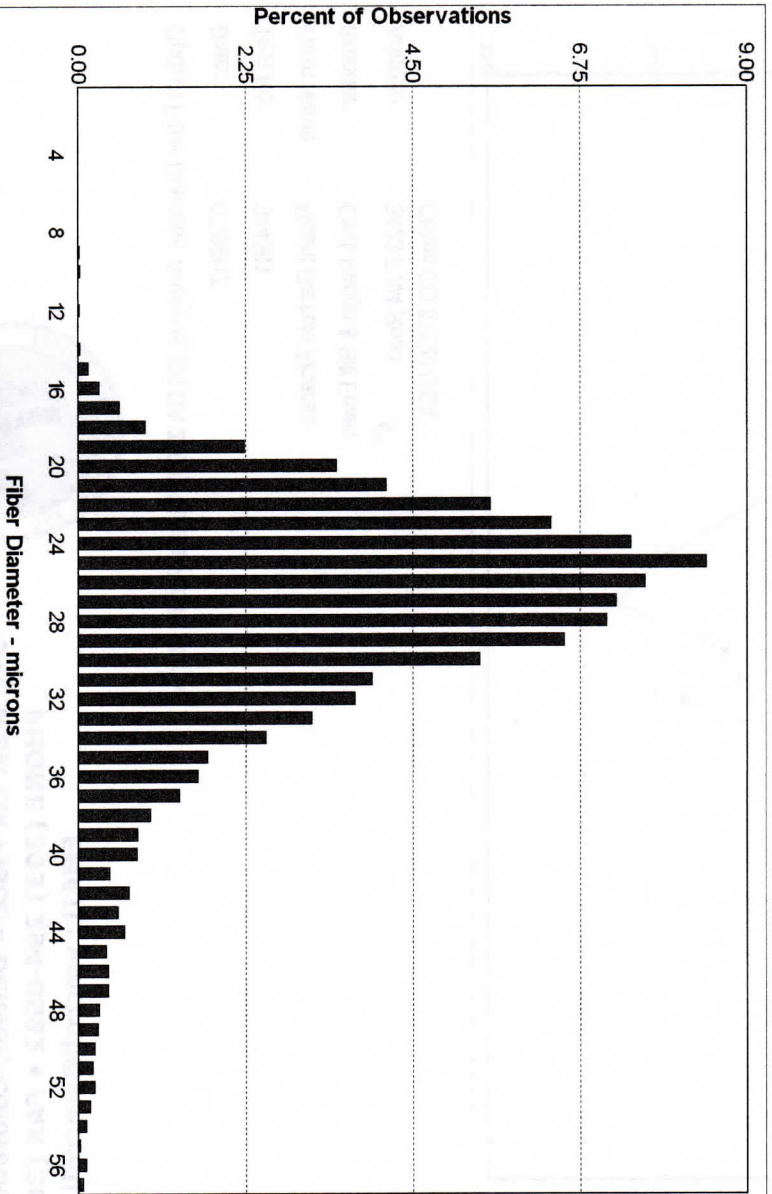
Date: 07/09/17

Test No: 944361

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Animal and Sample Description

Animal Name: Gandalf The Grey

Breed: Alpaca(Huacaya)

Sex: Male

Color: Med Silver Grey/Med Rose Grey

Animal ID: 352820951

Sample Location: Side

Sample Date: 05/06/17

Date of Birth (Age): 05/21/15

Previous Shear Date: 05/15/16

Laboratory Data

Mean Fiber Diameter: 28.2 microns

Standard Deviation: 7.2 microns

Coefficient of Variation: 25.5 %

Spin Fineness: 28.6 microns

Fibers > 30 microns: 26.4 %

Comfort Factor: 73.6 %

Mean Fiber Curvature: 29.0 deg/mm

Standard Deviation Curvature: 22.4 deg/mm