

INTERNATIONAL ALPACA ANALYTICS

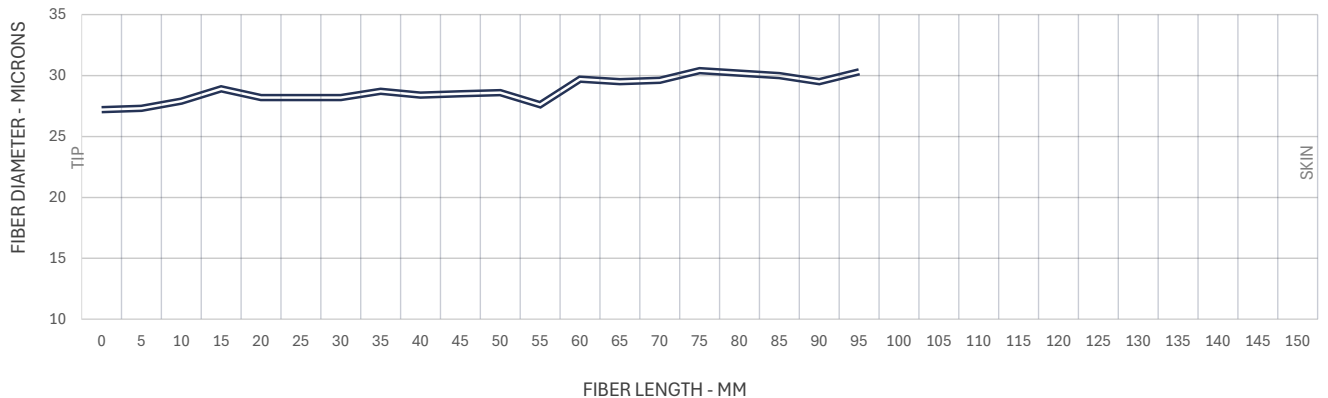
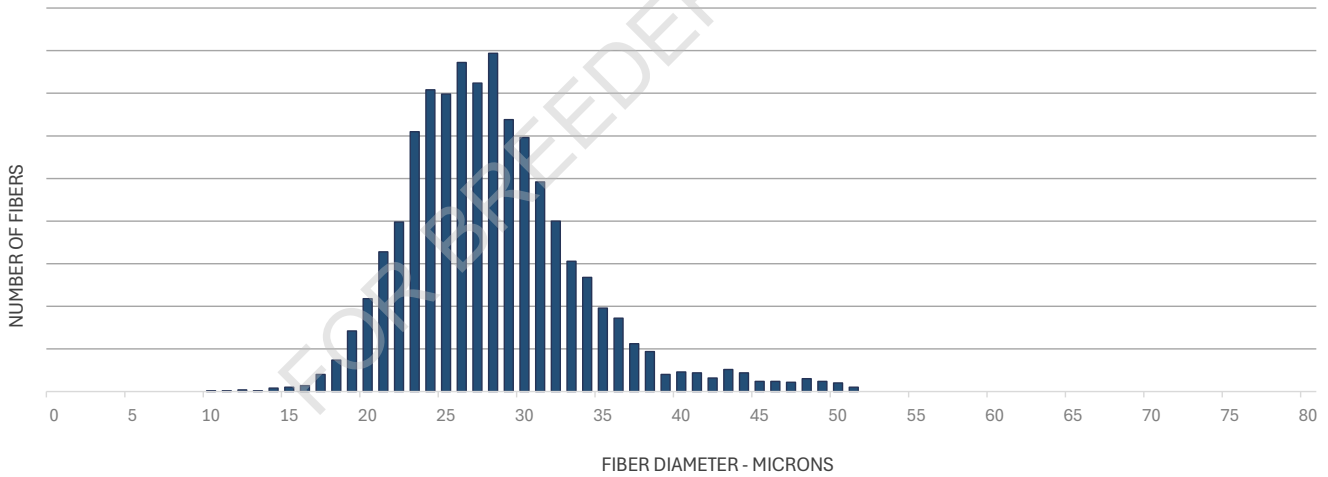
Hasselbring's Harmony Ranch
29049 Davis Rd
Concordia MO

Date: 06.29.24
Farm ID: 08099

Puresuri Mandalay

| | | | | | |
|------------|----------|-----------------|-------------|-----------------|---------------|
| Registry # | 31120203 | Color | 100 - White | Date of Birth | 03.13.08 |
| Breed | Suri | Sample Location | Mid-side | Last Shear Date | |
| Gender | Female | Trim High | On | Sample Date | 05.15.24 |
| | | | | Age at Sample | 16y 2m (194m) |

| | | | |
|--------------------------------|---------------------|-----------------------|---------------------|
| Mean Fiber Diameter (MFD) | 28.0 microns | Mean Staple Length | 100 mm |
| Standard Deviation (SD) | 5.6 microns | Finest point from Tip | 0.0 mm |
| Coefficient of Variation (COV) | 20.1 % | Maximum Diameter | 30.4 microns |
| Spinning Fineness (SF) | 27.0 microns | Minimum Diameter | 27.2 microns |
| Course Edge Micron (CEM) | 10.5 microns | Mean Curvature | 12.6 deg/mm |
| % Fibers < 15 µm | 0.2 % | SD Curvature | 15.3 deg/mm |
| Prickle Factor (fibers > 30µm) | 26.6 % | # of Fibers Evaluated | 4,617 |
| Comfort Factor (% <= 30µm) | 73.4 % | | |



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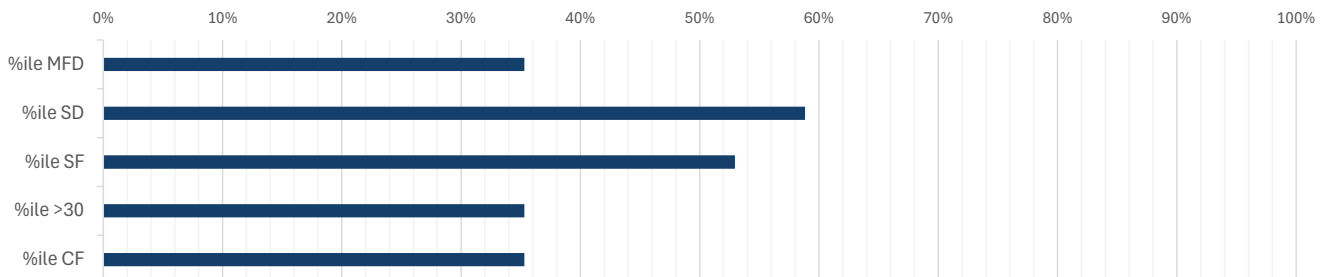
Puresuri Mandalay

| | | | | | |
|------------|----------|-----------------|-------------|-----------------|---------------|
| Registry # | 31120203 | Color | 100 - White | Date of Birth | 03.13.08 |
| Breed | Suri | Sample Location | Mid-side | Last Shear Date | |
| Gender | Female | Trim High | Off | Sample Date | 05.15.24 |
| | | | | Age at Sample | 16y 2m (194m) |

COMPARABLE DATA

| | Mandalay | Suri | Suri Female | Suri ≥15 Age Range | Suri White Color Group | Suri WH->15 Color:Age |
|-------------------------------------|-------------|-------|----------------|--------------------------|------------------------------|-----------------------------|
| <i>Number of Comparable Studies</i> | | 3,203 | 1,936 | 18 | 1,039 | 6 |
| Mean Fiber Diameter (μm) | 28.0 | 22.7 | 23.3 | 25.9 | 22.6 | 25.1 |
| Standard Deviation (μm) | 5.6 | 5.1 | 5.3 | 5.9 | 5.0 | 5.1 |
| Coefficient of Variation (%) | 20.1 | 22.7 | 21.1 | 22.9 | 22.1 | 20.4 |
| Spinning Fineness (μm) | 27.0 | 22.6 | 23.2 | 25.9 | 22.5 | 24.4 |
| % Fibers < 15 μm | 0.2 | 2.1 | 1.6 | 0.3 | 2.0 | 0.0 |
| Prickle Factor (% > 30μm) | 26.6 | 10.5 | 11.9 | 21.4 | 9.6 | 13.8 |
| Comfort Factor (% ≤ 30μm) | 73.4 | 89.5 | 88.1 | 78.6 | 90.4 | 86 |
| Mean Staple Length (mm) | 100 | 143 | 137 | 102 | 148 | 110 |
| Course Edge Micron (μm) | 10.5 | 10.0 | 10.3 | 11.9 | 9.8 | 9.8 |
| Minimum Diameter (μm) | 27.2 | 20.9 | 21.5 | 25.7 | 21.7 | 25.3 |
| Maximum Diameter (μm) | 30.4 | 25.0 | 25.5 | 29.1 | 25.4 | 27.9 |
| Mean Curvature (deg/mm) | 12.6 | 15.7 | 15.5 | 17.1 | 15.9 | 13.2 |
| SD Curvature (deg/mm) | 15.3 | 15.2 | 14.8 | 15.9 | 14.8 | 16.4 |

PERCENTILE RANK vs ALL ≥15 YEAR OLD ANIMALS



This data should be used for reference only. The tests were performed on the OFDA2000 using standard testing protocols.

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