

INTERNATIONAL ALPACA ANALYTICS

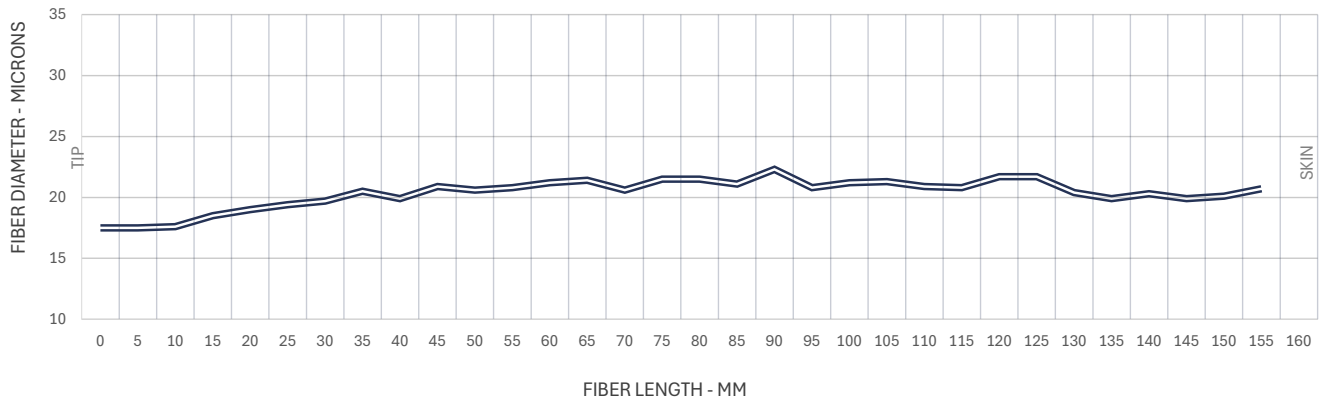
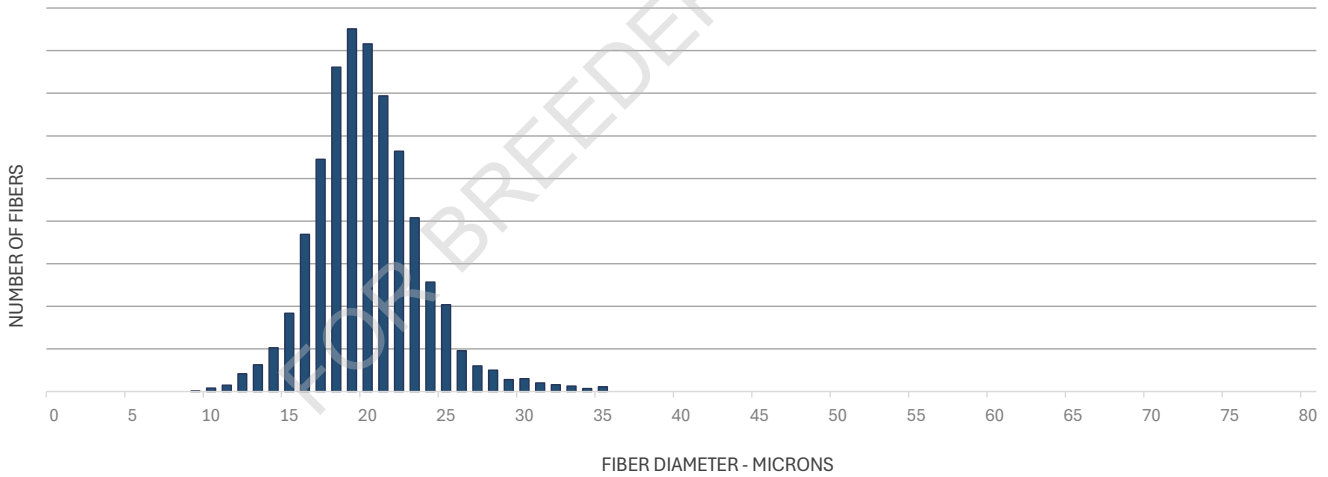
Hasselbring's Harmony Ranch
 29049 Davis Rd
 Concordia MO

Date: 06.29.24
 Farm ID: 08099

Astor's Sunkist of Harmony

| | | | | | |
|------------|----------|-----------------|-------------|-----------------|--------------|
| Registry # | 36304219 | Color | 100 - White | Date of Birth | 06.11.23 |
| Breed | Suri | Sample Location | Mid-side | Last Shear Date | |
| Gender | Female | Trim High | On | Sample Date | 05.15.24 |
| | | | | Age at Sample | 0y 11m (11m) |

| | | | |
|--------------------------------|---------------------|-----------------------|---------------------|
| Mean Fiber Diameter (MFD) | 20.0 microns | Mean Staple Length | 160 mm |
| Standard Deviation (SD) | 3.4 microns | Finest point from Tip | 0.0 mm |
| Coefficient of Variation (COV) | 17.1 % | Maximum Diameter | 22.3 microns |
| Spinning Fineness (SF) | 18.8 microns | Minimum Diameter | 17.5 microns |
| Course Edge Micron (CEM) | 6.2 microns | Mean Curvature | 17.6 deg/mm |
| % Fibers < 15 µm | 3.7 % | SD Curvature | 18.5 deg/mm |
| Prickle Factor (fibers > 30µm) | 1.1 % | # of Fibers Evaluated | 6,216 |
| Comfort Factor (% <= 30µm) | 98.9 % | | |



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COMPARABLE DATA

| | Sunkist | Suri | Suri Female | Suri 0-1 Age Range | Suri White Color Group | Suri WH-0 Color:Age |
|-------------------------------------|-------------|-------|-------------|--------------------|------------------------|---------------------|
| <i>Number of Comparable Studies</i> | | 3,203 | 1,936 | 633 | 1,039 | 175 |
| Mean Fiber Diameter (µm) | 20.0 | 22.7 | 23.3 | 19.7 | 22.6 | 19.3 |
| Standard Deviation (µm) | 3.4 | 5.1 | 5.3 | 4.7 | 5.0 | 4.4 |
| Coefficient of Variation (%) | 17.1 | 22.7 | 21.1 | 23.9 | 22.1 | 22.8 |
| Spinning Fineness (µm) | 18.8 | 22.6 | 23.2 | 19.7 | 22.5 | 19.2 |
| % Fibers < 15 µm | 3.7 | 2.1 | 1.6 | 15.1 | 2.0 | 15.5 |
| Prickle Factor (% > 30µm) | 1.1 | 10.5 | 11.9 | 4.0 | 9.6 | 3.1 |
| Comfort Factor (% ≤ 30µm) | 98.9 | 89.5 | 88.1 | 96.0 | 90.4 | 97 |
| Mean Staple Length (mm) | 160 | 143 | 137 | 154 | 148 | 172 |
| Course Edge Micron (µm) | 6.2 | 10.0 | 10.3 | 8.9 | 9.8 | 8.0 |
| Minimum Diameter (µm) | 17.5 | 20.9 | 21.5 | 17.1 | 21.7 | 16.7 |
| Maximum Diameter (µm) | 22.3 | 25.0 | 25.5 | 22.4 | 25.4 | 22.0 |
| Mean Curvature (deg/mm) | 17.6 | 15.7 | 15.5 | 16.9 | 15.9 | 17.8 |
| SD Curvature (deg/mm) | 18.5 | 15.2 | 14.8 | 17.4 | 14.8 | 17.1 |

PERCENTILE RANK vs ALL 0-1 YEAR OLD ANIMALS

