

# INTERNATIONAL ALPACA ANALYTICS

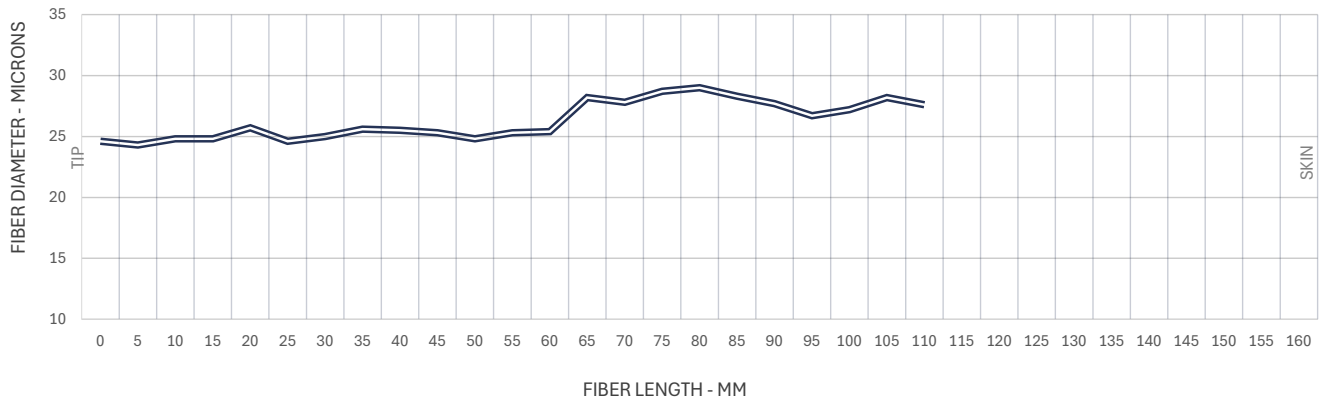
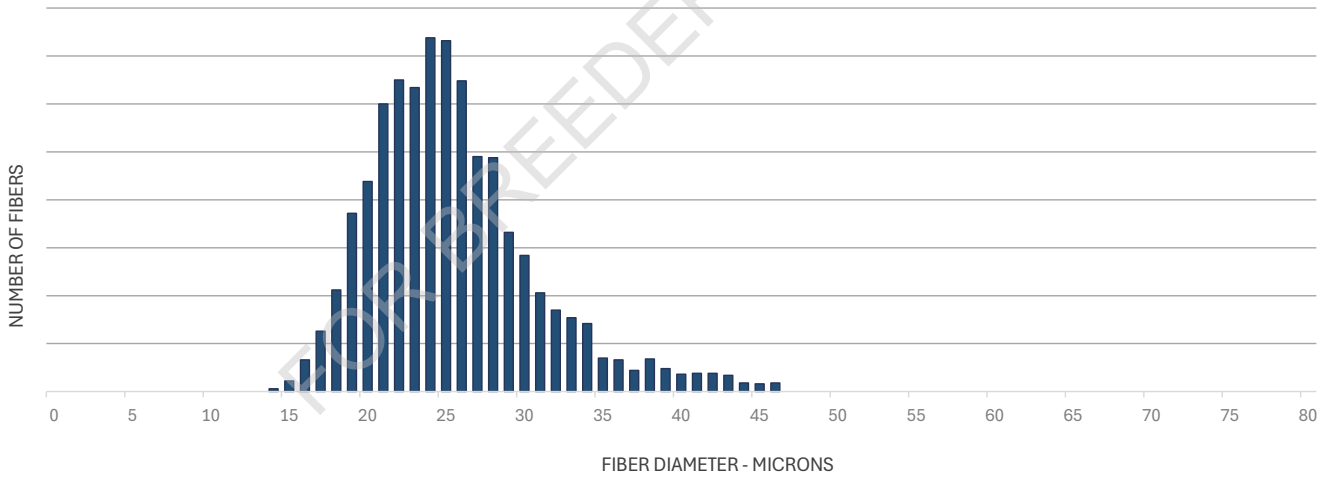
Hasselbring's Harmony Ranch  
29049 Davis Rd  
Concordia MO

Date: 06.29.24  
Farm ID: 08099

## Zen's Serena of Harmony

Registry #	35426318	Color	204 - Medium Fawn	Date of Birth	06.03.21
Breed	Suri	Sample Location	Mid-side	Last Shear Date	
Gender	Female	Trim High	On	Sample Date	05.15.24
				Age at Sample	2y 11m (35m)

Mean Fiber Diameter (MFD)	25.5 microns	Mean Staple Length	115 mm
Standard Deviation (SD)	5.3 microns	Finest point from Tip	5.0 mm
Coefficient of Variation (COV)	20.9 %	Maximum Diameter	29.0 microns
Spinning Fineness (SF)	24.8 microns	Minimum Diameter	24.3 microns
Course Edge Micron (CEM)	10.9 microns	Mean Curvature	14.9 deg/mm
% Fibers < 15 µm	0.1 %	SD Curvature	14.6 deg/mm
Prickle Factor (fibers > 30µm)	14.6 %	# of Fibers Evaluated	4,002
Comfort Factor (% <= 30µm)	85.4 %		



# INTERNATIONAL ALPACA ANALYTICS

Hasselbring's Harmony Ranch  
29049 Davis Rd  
Concordia MO

Date: 06.29.24  
Farm ID: 08099

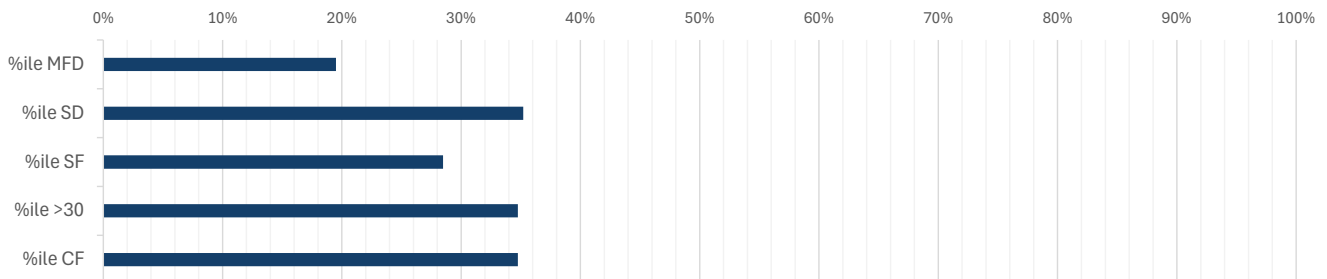
## Zen's Serena of Harmony

Registry #	35426318	Color	204 - Medium Fawn	Date of Birth	06.03.21
Breed	Suri	Sample Location	Mid-side	Last Shear Date	
Gender	Female	Trim High	On	Sample Date	05.15.24
				Age at Sample	2y 11m (35m)

### COMPARABLE DATA

	Serena	Suri	Suri Female	Suri 2-3 Age Range	Suri Fawn Color Group	Suri FA-2 Color:Age
<i>Number of Comparable Studies</i>		3,203	1,936	446	896	113
Mean Fiber Diameter (µm)	<b>25.5</b>	22.7	23.3	22.9	22.5	22.5
Standard Deviation (µm)	<b>5.3</b>	5.1	5.3	5.1	5.1	5.0
Coefficient of Variation (%)	<b>20.9</b>	22.7	21.1	22.2	22.9	22.2
Spinning Fineness (µm)	<b>24.8</b>	22.6	23.2	22.8	22.4	22.5
% Fibers < 15 µm	<b>0.1</b>	2.1	1.6	1.5	2.8	1.2
Prickle Factor (% > 30µm)	<b>14.6</b>	10.5	11.9	10.1	10.1	10.1
Comfort Factor (% ≤ 30µm)	<b>85.4</b>	89.5	88.1	89.9	89.9	90
Mean Staple Length (mm)	<b>115</b>	143	137	151	139	148
Course Edge Micron (µm)	<b>10.9</b>	10.0	10.3	9.2	10.2	10.1
Minimum Diameter (µm)	<b>24.3</b>	20.9	21.5	21.3	20.7	22.0
Maximum Diameter (µm)	<b>29.0</b>	25.0	25.5	24.9	24.8	26.0
Mean Curvature (deg/mm)	<b>14.9</b>	15.7	15.5	14.7	15.9	13.0
SD Curvature (deg/mm)	<b>14.6</b>	15.2	14.8	14.4	15.2	14.6

### PERCENTILE RANK vs ALL 2-3 YEAR OLD ANIMALS



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

IAA || 6 Clermont Lane St. Louis Mo || 1.314.306.4168 || d.king@intlalpaca.com