

# INTERNATIONAL ALPACA ANALYTICS

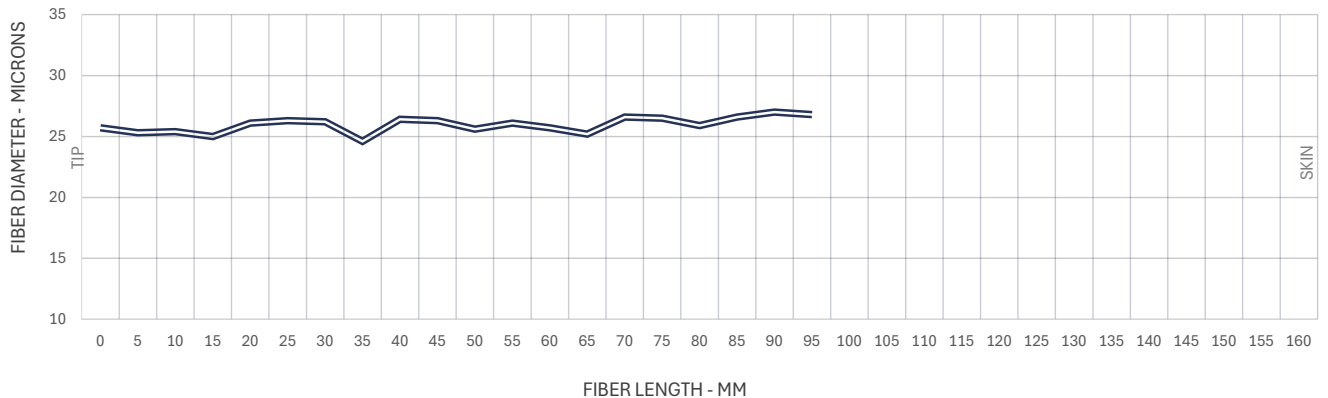
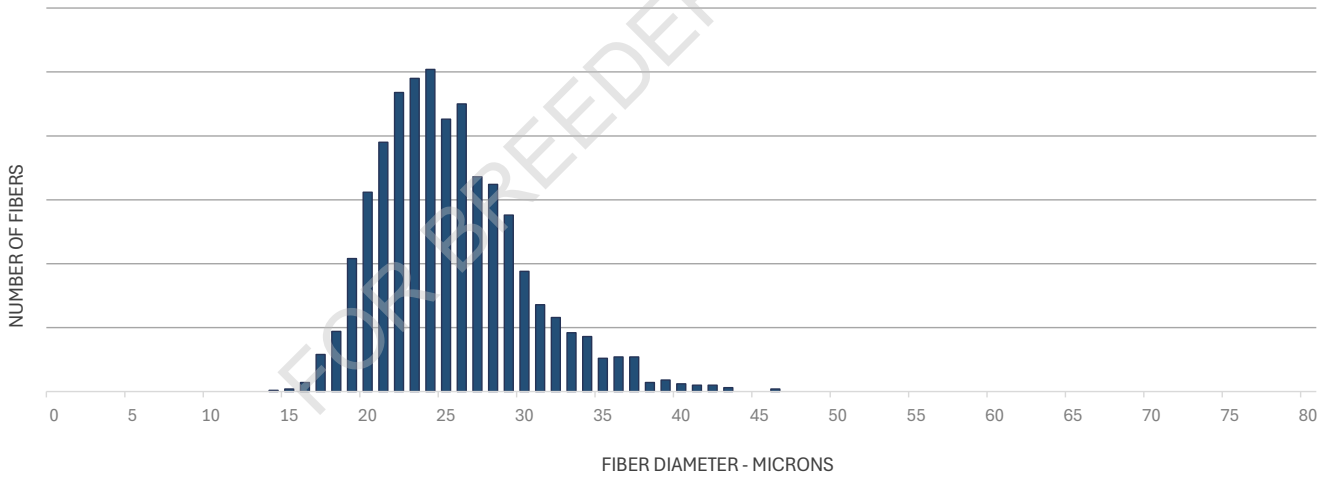
Hasselbring's Harmony Ranch  
29049 Davis Rd  
Concordia MO

Date: 06.29.24  
Farm ID: 08099

## BBFAI Torpedo

Registry #	32378474	Color	100 - White	Date of Birth	08.08.12
Breed	Suri	Sample Location	Mid-side	Last Shear Date	
Gender	Female	Trim High	On	Sample Date	05.15.24
				Age at Sample	11y 9m (141m)

Mean Fiber Diameter (MFD)	<b>25.3</b> microns	Mean Staple Length	<b>100</b> mm
Standard Deviation (SD)	<b>4.6</b> microns	Finest point from Tip	<b>35.0</b> mm
Coefficient of Variation (COV)	<b>18.3</b> %	Maximum Diameter	<b>27.0</b> microns
Spinning Fineness (SF)	<b>24.1</b> microns	Minimum Diameter	<b>24.6</b> microns
Course Edge Micron (CEM)	<b>9.4</b> microns	Mean Curvature	<b>15.0</b> deg/mm
% Fibers < 15 µm	<b>0.0</b> %	SD Curvature	<b>17.4</b> deg/mm
Prickle Factor (fibers > 30µm)	<b>12.7</b> %	# of Fibers Evaluated	<b>2,841</b>
Comfort Factor (% <= 30µm)	<b>87.3</b> %		



# INTERNATIONAL ALPACA ANALYTICS

Hasselbring's Harmony Ranch  
29049 Davis Rd  
Concordia MO

Date: 06.29.24  
Farm ID: 08099

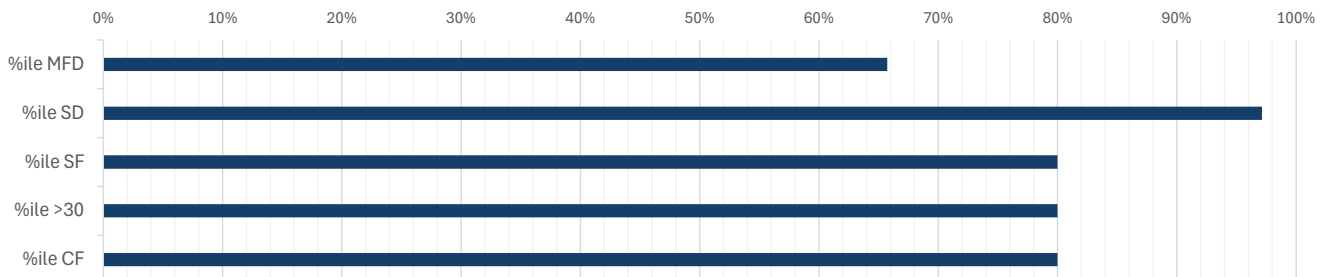
## BBFAI Torpedo

Registry #	32378474	Color	100 - White	Date of Birth	08.08.12
Breed	Suri	Sample Location	Mid-side	Last Shear Date	
Gender	Female	Trim High	On	Sample Date	05.15.24
				Age at Sample	11y 9m (141m)

### COMPARABLE DATA

	Torpedo	Suri	Suri Male	Suri 11-12 Age Range	Suri White Color Group	Suri WH-11 Color:Age
<i>Number of Comparable Studies</i>		3,203	1,263	35	1,039	14
Mean Fiber Diameter (µm)	<b>25.3</b>	22.7	21.8	26.7	22.6	26.4
Standard Deviation (µm)	<b>4.6</b>	5.1	4.9	6.3	5.0	6.1
Coefficient of Variation (%)	<b>18.3</b>	22.7	22.7	23.5	22.1	23.3
Spinning Fineness (µm)	<b>24.1</b>	22.6	21.8	26.7	22.5	26.3
% Fibers < 15 µm	<b>0.0</b>	2.1	3.2	0.3	2.0	0.5
Prickle Factor (% > 30µm)	<b>12.7</b>	10.5	8.3	22.6	9.6	17.7
Comfort Factor (% ≤ 30µm)	<b>87.3</b>	89.5	91.7	77.4	90.4	82
Mean Staple Length (mm)	<b>100</b>	143	152	109	148	113
Course Edge Micron (µm)	<b>9.4</b>	10.0	9.7	10.6	9.8	9.0
Minimum Diameter (µm)	<b>24.6</b>	20.9	20.2	25.2	21.7	22.6
Maximum Diameter (µm)	<b>27.0</b>	25.0	24.3	29.2	25.4	25.8
Mean Curvature (deg/mm)	<b>15.0</b>	15.7	16.0	20.0	15.9	20.2
SD Curvature (deg/mm)	<b>17.4</b>	15.2	15.9	14.9	14.8	13.1

### PERCENTILE RANK vs ALL 11-12 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