

# INTERNATIONAL ALPACA ANALYTICS

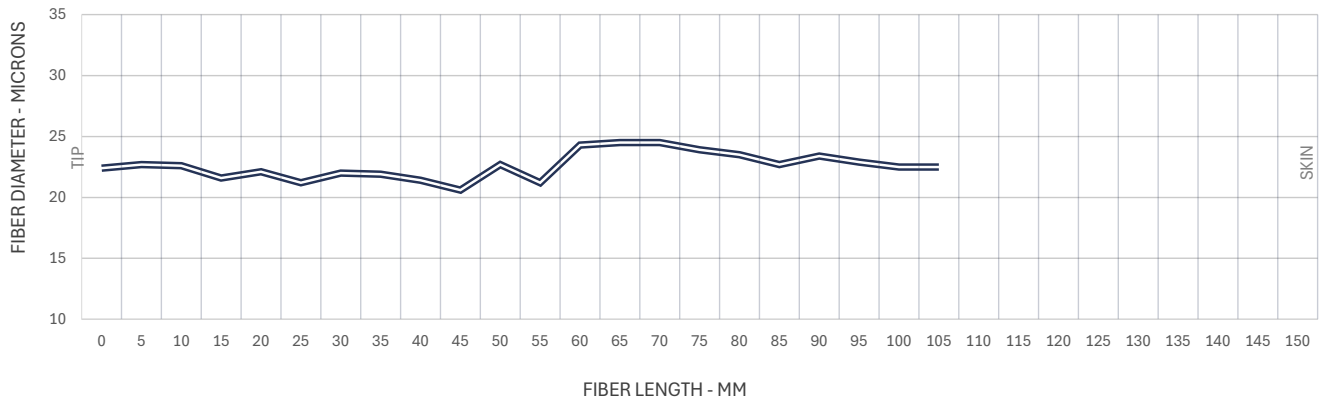
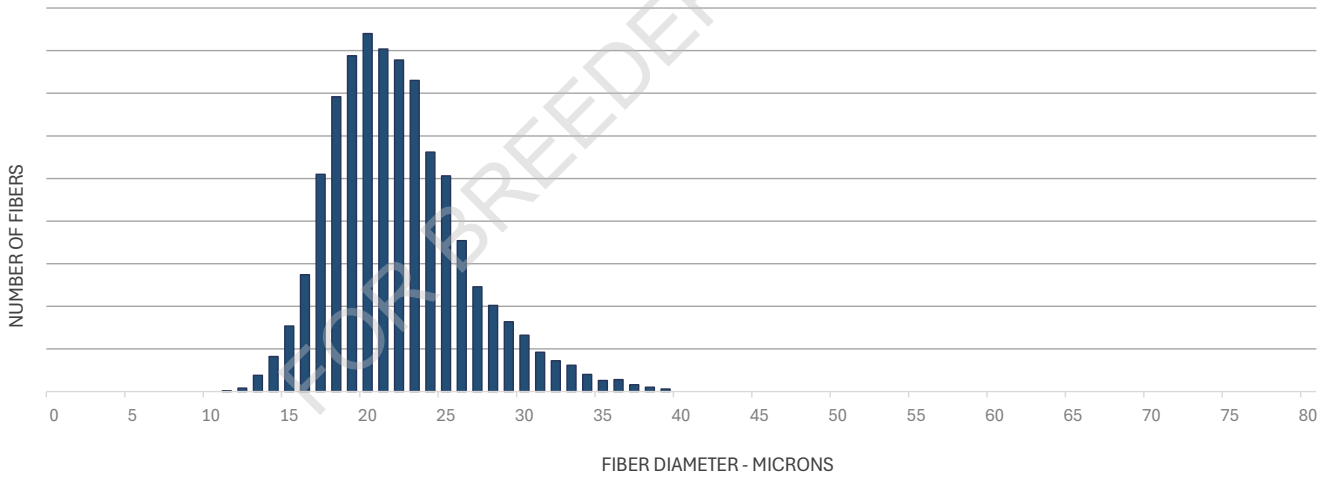
Hasselbring's Harmony Ranch  
29049 Davis Rd  
Concordia MO

Date: 06.29.24  
Farm ID: 08099

## BBFAI Crystal

Registry #	32649086	Color	100 - White	Date of Birth	09.22.12
Breed	Suri	Sample Location	Mid-side	Last Shear Date	
Gender	Female	Trim High	On	Sample Date	05.15.24
				Age at Sample	11y 7m (140m)

Mean Fiber Diameter (MFD)	<b>21.9</b> microns	Mean Staple Length	<b>110</b> mm
Standard Deviation (SD)	<b>4.3</b> microns	Finest point from Tip	<b>45.0</b> mm
Coefficient of Variation (COV)	<b>19.5</b> %	Maximum Diameter	<b>24.5</b> microns
Spinning Fineness (SF)	<b>21.1</b> microns	Minimum Diameter	<b>20.6</b> microns
Course Edge Micron (CEM)	<b>8.6</b> microns	Mean Curvature	<b>13.8</b> deg/mm
% Fibers < 15 µm	<b>1.6</b> %	SD Curvature	<b>13.3</b> deg/mm
Prickle Factor (fibers > 30µm)	<b>4.3</b> %	# of Fibers Evaluated	<b>4,109</b>
Comfort Factor (% <= 30µm)	<b>95.7</b> %		



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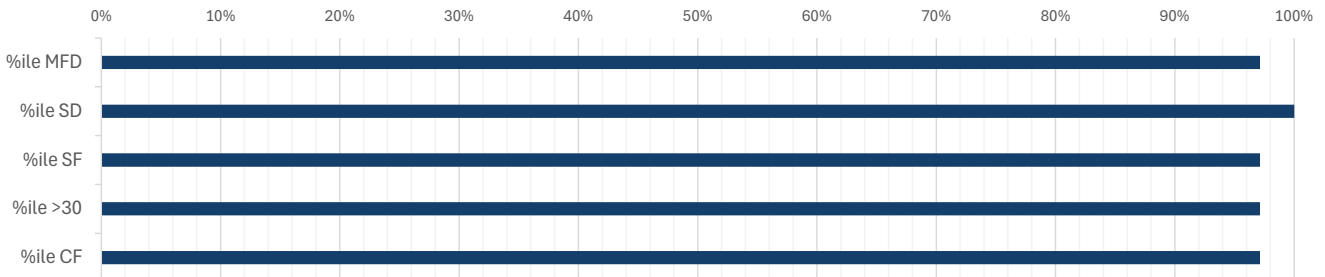
## BBFAI Crystal

Registry #	32649086	Color	100 - White	Date of Birth	09.22.12
Breed	Suri	Sample Location	Mid-side	Last Shear Date	
Gender	Female	Trim High	Off	Sample Date	05.15.24
				Age at Sample	11y 7m (140m)

### COMPARABLE DATA

	Crystal	Suri	Suri Female	Suri 11-12 Age Range	Suri White Color Group	Suri WH-11 Color:Age
<i>Number of Comparable Studies</i>		3,203	1,936	35	1,039	14
Mean Fiber Diameter (µm)	<b>21.9</b>	22.7	23.3	26.7	22.6	26.4
Standard Deviation (µm)	<b>4.3</b>	5.1	5.3	6.3	5.0	6.1
Coefficient of Variation (%)	<b>19.5</b>	22.7	21.1	23.5	22.1	23.3
Spinning Fineness (µm)	<b>21.1</b>	22.6	23.2	26.7	22.5	26.3
% Fibers < 15 µm	<b>1.6</b>	2.1	1.6	0.3	2.0	0.5
Prickle Factor (% > 30µm)	<b>4.3</b>	10.5	11.9	22.6	9.6	17.7
Comfort Factor (% ≤ 30µm)	<b>95.7</b>	89.5	88.1	77.4	90.4	82
Mean Staple Length (mm)	<b>110</b>	143	137	109	148	113
Course Edge Micron (µm)	<b>8.6</b>	10.0	10.3	10.6	9.8	9.0
Minimum Diameter (µm)	<b>20.6</b>	20.9	21.5	25.2	21.7	22.6
Maximum Diameter (µm)	<b>24.5</b>	25.0	25.5	29.2	25.4	25.8
Mean Curvature (deg/mm)	<b>13.8</b>	15.7	15.5	20.0	15.9	20.2
SD Curvature (deg/mm)	<b>13.3</b>	15.2	14.8	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.

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