Oliver Gus of Buttermilk Forty

Buttermilk Forty Alpacas
17363 Ream Spring Rd
Sedalia MO

Date: 09.10.25
Farm ID: 03397

Registry #	36305865	Gender	Male	Date of Birth	06.05.23
Breed	Suri	Color	100 - White	Last Shear Date	04.18.24
Sire	Astor of Harmony	Sample Location	mid-side	Sample Date	04.11.25
Dam	TSSS Madiba's Bethany			Age at Sample	1y 10m (22m)

FINENESS

Mean Fiber Diameter (MFD)	**21.4**	µm
Maximum Diameter	23.6	µm
Minimum Diameter	19.7	µm

UNIFORMITY

Fiber Diameter Standard Devi	**4.2**	
Coefficient of Variation of Fibe	19.5	%
Course Edge Micron (CEM)	7.9	µm
SD Along Fiber Length	1.0	

COMFORT

Comfort Factor	**97.2**	%
% Fibers > 30 µm	2.8	%
% Fibers < 15 µm	2.4	%

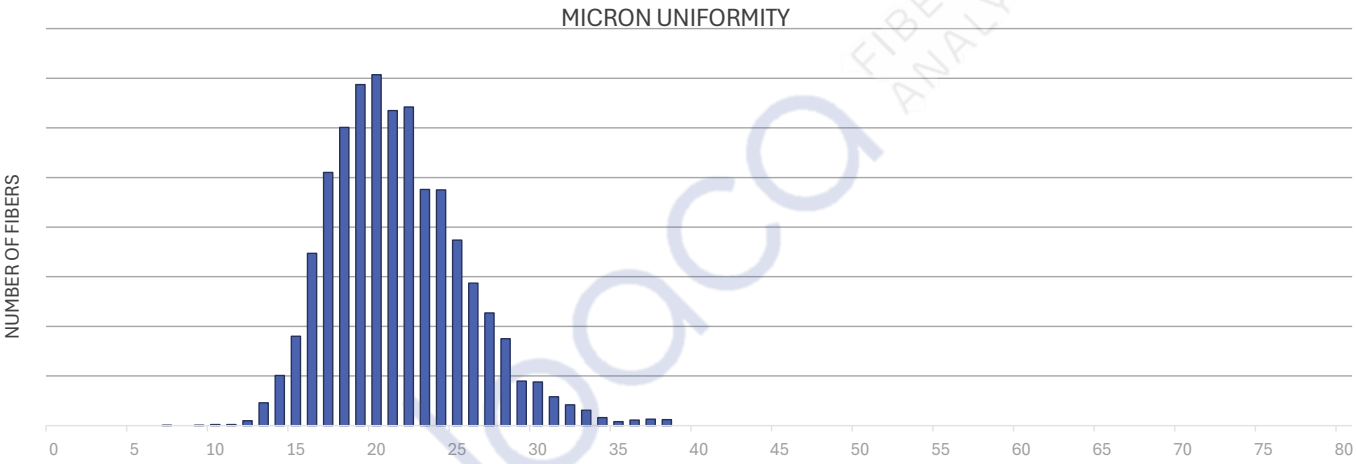
HANDLING / PROCESSING

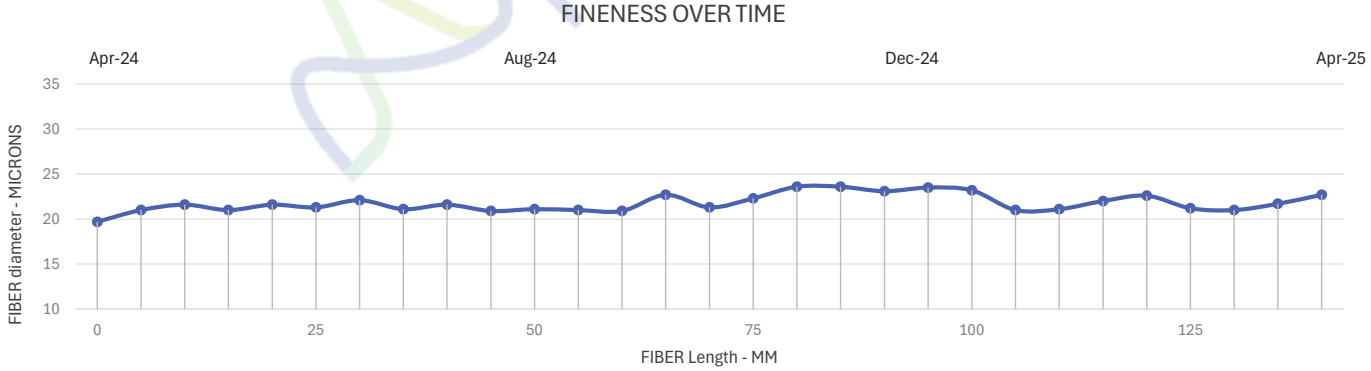
Mean Fiber Curvature	**13.9**	deg/mm
Fiber Curvature Standard D	14.6	
Spinning Fineness (SF)	20.5	

# of Fibers Evaluated	7355

GROWTH

Mean Staple Length	**160**	mm
Growth rate per day	0.4	mm
Finest point from Tip	-	mm





Alpaca FIBER ANALYTICS

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

Oliver Gus of Buttermilk Forty

Buttermilk Forty Alpacas
17363 Ream Spring Rd
Sedalia MO

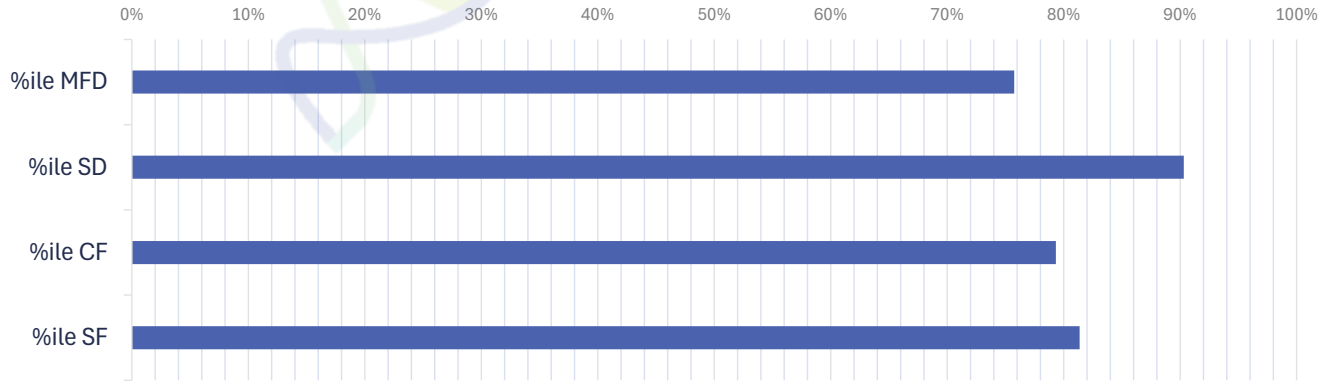
Date: 09.10.25
Farm ID: 03397

Registry #	36305865	Gender	Male	Date of Birth	06.05.23
Breed	Suri	Color	100 - White	Last Shear Date	04.18.24
Sire	Astor of Harmony	Sample Location	mid-side	Sample Date	04.11.25
Dam	TSSS Madiba's Bethany			Age at Sample	1y 10m (22m)

COMPARABLE DATA

	Oliver	Suri	Suri Male	Suri 2-3 Age Range	Suri White Color Group	Suri WH-2 Color:Age
Mean Fiber Diameter (µm)	21.4	20.0	19.5	20.2	19.6	19.8
Standard Deviation (µm)	4.2	4.2	4.1	4.2	4.0	4.1
Coefficient of Variation	19.5	21.2	21.0	20.8	20.6	20.4
Spinning Fineness (µm)	20.5	19.4	19.0	19.6	19.0	19.2
% Fibers > 30 µm	2.8	3.7	3.1	3.4	2.8	2.5
Comfort Factor (% <= 30µm)	97.2	96.3	96.9	96.6	97.2	97.5
Mean Staple Length (mm)	160	100	101	100	105	104
Mean Curvature (deg/mm)	13.9	46.7	47.1	48.3	48.8	50.3
SD Curvature (deg/mm)	14.6	24.3	24.8	24.3	23.7	23.4

Percentile Rank vs All 2-3 year old White Suri



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