

Criteria for Participation in the ARI EPD Program by Fiber Analysis Organizations

Laboratories which can document and warrant (with Standard Operating Procedures (SOPs) and a signed agreement with Alpaca Registry, Inc. (ARI)) use of any of the following instruments and methods for fiber analysis of alpaca fiber using “butt cut” generation of 2mm snippets may apply for approval to participate in the ARI EPD program.

Sirolan-Laserscan – ASTM Method D6466-99

Optical Fiber Diameter Analyzer (OFDA) 100 mode – ASTM Method D6500-00

Micro-projection – ASTM Method D2130-90 (Reapproved 2001)

Data must be submitted to ARI in a prescribed electronic format directly from the testing organization. The organization must utilize an ARI approved order form in which the animal owner requests the fiber analysis and gives the testing organization permission to submit the data directly to ARI for inclusion in the EPD program. These forms must be retained by the testing laboratory for at least five (5) years and be available to ARI (upon written request) as proof of the request for data generation and transfer. ARI will not accept fiber analysis data directly from animal owners.

Data generated in previous years may be submitted upon animal owner request to the testing laboratory only so long as that data is warranted to have been generated using the above instruments and methods and it was originally identified with the animal’s ARI Registration number and Date of Sampling.

Data which should be generated and submitted includes:

Mean Fiber Diameter, Standard Deviation, Coefficient of Variation, Spin Fineness, Fibers >30 microns, Comfort Factor, Mean Staple Length, Length Standard Deviation, Length Coefficient of Variation, Mean Curvature, Standard Deviation of Curvature, and % Medullated Fibers (white and light fleeces only).

Sample information which must be collected from the fiber/animal owner includes:

Alpaca name, ARI Registration #, Breed, Sex, Color, DOB, Sampling Date, Previous Shearing Date, Total Fleece Weight

If you wish to be approved to submit data to the ARI EPD program, please contact Mr. Darby Vannier, Executive Director, Alpaca Registry, Inc. to initiate the process.