



NATURAL FIBRE CENTRE
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FACT SHEET

HOW TO READ YOUR HISTOGRAM

- Date:** Gives the date the sample was tested and histogram printed.
- Sample ID:** Animal Name and Date of Birth
- Description:** M (Male), F (Female), Color, Breed, Date Sample Taken
- Lot/Client:** Your Name or Farm Name and Animal Microchip #, Registration #, or Tag#
- Operator:** NFC Internal Information for Tracking Test Sample, location of sample taken, and Type of Test Performed
 Eg. MCR = Minicore; BC = Butt Cut
****If your samples are too small eg. Smaller than 2 by 2 inches THICK your test results will reflect butt cut testing only. Minicore cannot test minute samples.**
- Mean:** Average Fibre Diameter (micron)
- SD:** Standard Deviation = fibre diameter variation within a sample
- CV:** Co-efficient of Variation = spread of fibre diameter variation throughout the fleece
- Sample Size:** The number of fibres that were in your sample and tested
- SF:** Spin Fineness (an estimate of the performance of the sample when it is spun into yarn). Spin Fineness can be improved by either decreasing the mean fibre diameter or decreasing the CV.
- Comfort Factor:** The percentage of fibres that are under 30 microns
- 5% of fibres 'X'**
- | | | | |
|----------------------------|--|---|--------------------------------|
| microns above mean: | e.g. Mean (average fibre diameter) | = | 25 microns |
| | 5% of fibres are | | <u>13.4 microns above mean</u> |
| | Therefore, 5% of the fibres will measure | | 38.4 microns |
- Curve:** The degree of curve in a fibre. A direct correlation to crimp.
 e.g. Curve reading of 40+ deg/mm represents excellent crimp in Alpaca Fibre
- Curve number:** The number of fibres in the sample measured for curve.