



United States
Department of
Agriculture

Agricultural
Marketing
Service

Cotton
Division

Universal Standards for American Upland Cotton:

- a. USDA High Volume Instrument (HVI)
Calibration Cottons**
- b. Laboratory Atmospheric Conditions**
- c. Conditioning Practices and Procedures**

Effective January 5, 1996

United States Standards for Cotton

Universal Standards for American Upland Cotton

Index

Title	Page
USDA High Volume Instrument (HVI) Calibration Cottons (Long/Strong and Short/Weak)	2
Laboratory Atmospheric Conditions	2
Conditioning Practices and Procedures	2

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USDA High Volume Instrument (HVI) Calibration Cottons (Long/Strong and Short/Weak)

Range of Fiber Properties				
CALIBRATION COTTON	LENGTH	UNIFORMITY	STRENGTH	MICRONAIRE
	In.	Pct.	g/tex	Rdg.
Short/Weak	Below .97	77 - 82	20 - 25	3.5 - 4.5
Long/Strong	1.11-1.22	80 - 90	26 - 32	3.5 - 4.5

Laboratory Atmospheric Conditions

The following atmospheric conditions must be maintained for HVI testing or HVI classification:

Temperature..... 70 degrees Fahrenheit, plus or minus 1 degree
Relative Humidity..... 65 percent Relative Humidity, plus or minus 2 percent

Conditioning Practices and Procedures

Samples must be directly exposed to approved laboratory atmospheric conditions until their moisture content reached equilibrium with that of the atmosphere. This equilibrium moisture content usually ranges from 6.75 percent to 8.25 percent. Conditioning of samples in sacks, wrappers, or other coverings is not permissible.

Authority: United States Cotton Standards Act (7 U.S.C. *et seq.*)