



Physical Fiber Properties of Egyptian Cotton Varieties

Measured By HVI & Micromat

Season 2011/2012 Until 21/01/2012

Variety			Extra Long Staple				Long Staple			
Property			G45	G 70	G 87	G88	G92	G86	G80	G90
Length	Upper Half Mean	mm				35.2	33.8	32.6	29.4	28.3
	Uniformity	Index				86.7	87.6	86.8	83.3	83.1
Strength	Strength	g/tex				44.6	47.0	44.2	35.0	34.0
	Elongation	%				4.9	5.2	5.8	7.7	8.0
Fineness	Micronaire	u /inch				4.14	3.78	4.60	4.44	4.21
	Color									
Color	Reflectance	Rd%				67.1	77.4	76.7	65.2	66.3
	Yellowness	+b				11.4	8.4	8.2	12.1	11.4
Trash	Trash Area	%				0.7	0.4	0.6	1.0	1.0
	Trash Count					40	28	33	82	81
Micromat	Maturity	%				86	85	91	85	85
	Hair - Weight	millitex				156	146	173	180	166
SCI	Spinning Consistency Index					206	225	203	147	143
Number of Samples						1096	16	4448	318	848

Tested by USDA Mode .

Spinning & Fiber Sector January 2012

Samples Drawn by CATGO From Each Lot .

Chairman
 Dr.Eng./ Mahmoud ELBagoury