



Cotton Arbitration & Testing General Organization  
CATGO  
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**Physical Fiber Properties for short fiber Cotton Varieties**  
**Measured By HVI & Micromat**

**From 1/9/2021 Until 31/08/ 2022 season 2021/2022**

<b>property</b>	<b>variety</b>	<b>LIMA COTTON</b>	<b>EDESSA COTTON</b>
<b>Upper Half Mean Length</b>	<b>(mm)</b>	<b>29,89</b>	<b>29,13</b>
<b>Uniformity Index</b>	<b>(%)</b>	<b>84,1</b>	<b>84,5</b>
<b>Short fiber</b>	<b>(%)</b>	<b>7,8</b>	<b>6,5</b>
<b>Strength</b>	<b>(gm/tex)</b>	<b>31,6</b>	<b>31,6</b>
<b>Mic Reading</b>	<b>u/inch</b>	<b>4,87</b>	<b>5,14</b>
<b>Reflectance</b>	<b>Rd</b>	<b>74,2</b>	<b>69,8</b>
<b>Yellowness</b>	<b>+b</b>	<b>8,9</b>	<b>8,9</b>
<b>SCI</b>		<b>140</b>	<b>135</b>
<b>Maturity</b>	<b>(%)</b>	<b>75</b>	<b>79</b>
<b>Hair Weight</b>	<b>(m.tex)</b>	<b>185</b>	<b>189</b>
<b>Trash</b>	<b>%</b>	<b>15,7</b>	<b>16,3</b>
<b>Neps Count/gram</b>		<b>94</b>	<b>129</b>
<b>No. of samples</b>		<b>9</b>	<b>5</b>

*Chairman*  
*Eng. | Mohamed Khedr*