Instrumental Colour Assessment Network: Digital Imaging Technique

**ISO 105 A11 FOR INSTRUMENTAL COLOUR ASSESSMENT FROM SGS**

With the release of ISO 105 A11-2012 - digital imaging technique for instrumental colour assessment, this new technique can assess colour change, colour stain and colour measurement on various kinds of textiles in various sizes, patterns, or even raised surface. The new technique also enhances digital colour communication by providing the standardized lighting and imaging system across SGS laboratories network.

**ISO 105 A11-2012**

The new digital imaging system is an integrated light box with specialized camera to capture sample image under standardized environment and to analyze image by computer software. The light box environment follows ISO 105 A02, A03 requirements by having a Northern and Southern hemisphere sky illumination 600x or more. The background is Munsell N5 with an adjustable setup to give diffuse or angled (specular) reflection. It can assess matt or luster sample surface. The digital imaging apparatus can be calibrated by manufacturer verification chart. The median and maximum CIE DE 2000 colour difference value shall be calculated by the system to assure the accuracy and repeatability.

Service network for the digital imaging system includes China (Guangzhou, Hangzhou, Hong Kong, Shanghai), India (Gurgaon), Pakistan (Karachi), Turkey (Istanbul), U.S. (Fairfield, NJ), and Vietnam (Ho Chi Minh City).

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