ColorWorkDesk®

ColorWorkDesk - QC

QUALITY CONTROL SOFTWARE

URAI®

"ColorWorkDesk QC"

Simple and functional, it allows you to define the colorimetric characteristics of a single sample or evaluate its differences compared to a standard.

The multifunctional graphics supplied are clear and intuitive and can be separated from the main screen to be enlarged. The global and individual management of the tolerance values allows automatic control of the colorimetric differences found and the definition of the Pass/Fail descriptions. The efficient data structure allows the storage and definition of the link between the samples and the active standard (historical). The software will therefore be able to automatically track all the samples of the selected standard,

while a specific management will allow the selection and maintenance of the samples, whose statistical trend can be displayed with the appropriate graphics.

FUNCTIONS AVAILABLE IN THE VERSION:

1. Color scales: CIELab, CIELCh, XYZ, CIEx, CIEy, with absolutes and differences.
2. Observatories: 2° and 10° 3. Illuminants: A, D65, F2, F11, TL84 4. Differences: dE* (CIE), dL* (CIE), Da* (CIE), Db* (CIE), dC* (CIE), dH* (CIE), dE CMC, dE (CIE2000).
5. Indices: YI E313, WI CIE, Metamerism
6. Calculation of Opacity
7. Calculation of absolute values for each standard and batch
8. Calculation of color differences in delta for standards and batches
9. Spectral Graphs: % Reflectance, % Transmittance
10 . Spectral Data: % Reflectance, % Transmittance
11. Tolerances: L*a*b*, L*C*h* and CIE2000 customizable for each standard with Pass/Fail result
12. Calculation of CMC space as a tolerance principle
13. Data in view: Color data table, Spectral data table, spectral graphs, trend plots and RGB values
14. Color graphs in view: 2-dimensional CIELab, CIELCh
15. Creating folders and subfolders in the data browser
16. Storing standards, batch and historical batch associated with the standard.
17. Management and maintenance of data stored in the History
18. Similar search: Automatic with DE search
19. Yield calculation: Yield calculated for pigment and white with indication of the yield correction with XYZ functions, wavelength preset and maximum absorbance.
20. Data export: Export of standard and batch measurements in XML format

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