

TECHNICAL PRODUCT INFORMATION

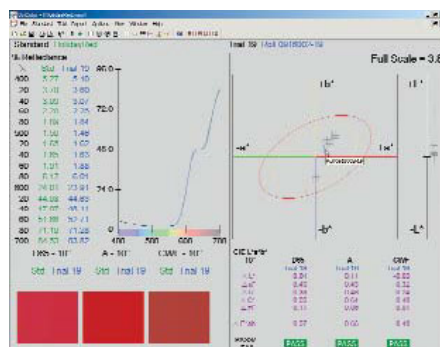
On Color™ QC for Spectrophotometers

Color Quality Control Software

On Color QC is a versatile color quality control package that works with most spectrophotometers. Compatible with Windows® 98, 2000, XP and NT®, On Color QC offers a wide range of functions and graphical displays for the evaluation and control of color, including instrument control, colorimetric and spectral data, color tolerancing and statistical calculations, trend charts and histograms.

Some important features:

- 6 customizable report screens to display color data and indices.
- Complete elliptical tolerancing capability including CMC & CIE 2000 tolerancing and the advanced “best fit” technique which statistically calculates tolerances based on batch history data.
- Navigation aids – keyboard shortcuts, tool tips, right-click shortcut menus.
- Macros to automate repetitive tasks and guide technicians through special test procedures; prompts give instructions on what to do next.
- Send mail function allows you to communicate your color data worldwide directly from the program.
- Spreadsheet option stores your choice of color data in spreadsheet format for further processing, reporting and calculation.
- Munsell notations and over 50 indices including whiteness, yellowness, correlated haze, chromatic strength at maximum absorption.
- Three levels of password security.
- Twenty fields for job identification, in addition to auto-naming and a notes field for each trial.
- Select trials to be included on reports and displays.
- Interfaces with most spectrophotometers from many different manufacturers.
- Compatible with, and easy to upgrade to On Color™ Match color formulation software.
- MS Access compatible database of standards; store unlimited shade information and tolerances; search for closest color.
- Workspaces for managing all related files in a project.
- Sort trials according to any criteria.
- Automatic “Select Standard” mode.
- 555 shade sorting.



Compare Batches



On Color™ QC

Color Quality Control Software For Spectrophotometers

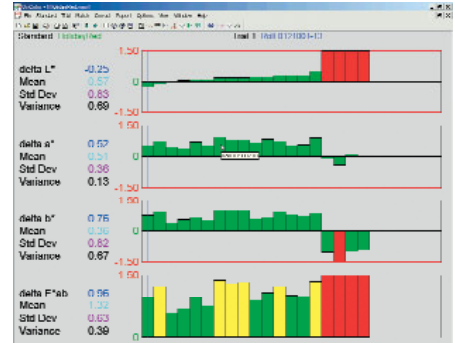


CYBERCHROME
Color Control for Industry

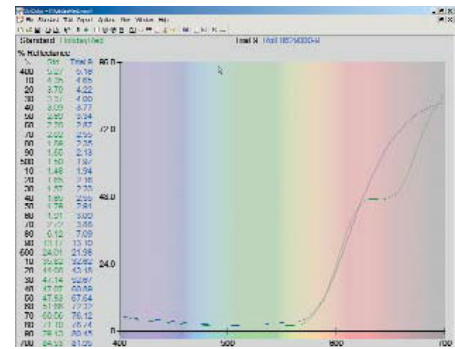
On Color™ QC Quality Control Software for Spectrophotometers

Technical Data	
Applicable Instruments	Works with most color spectrophotometers in use today
Observer / Illuminants	Observer: CIE 2° and 10° Standard Observers Illuminants: CIE standard illuminants A, C, D65, D50, D55 and D75; CIE fluorescent illuminants F2, F6, F7, F8, F10, F11 and F12; Ultralume U5000
Displays	Spectral Plot, Color Plot, Tolerance Plots, Data Table, Statistical Charts and four-section User Report
Color / Color Difference	CIE Yxy (XYZ), CIE L*a*b*, CIE L*C*h* CIE L*u*v*, Hunter Lab, FMC-2, CMC, CIE 94, Munsell, CIE 2000, GE-PQS, Audi, DIN99
Indices	Metamerism: CIE, DIN 6172 Whiteness: CIE, ASTM E313-1973, ASTM E313-1996, Berger, Hunter, Stensby, Taube, Ganz/Griesser Tint: CIE, ASTM E313-96 Yellowness: ASTM D1925, ASTM E313-1973, ASTM E313-1996, DIN 6167 Strength: Apparent, Chromatic at maximum absorption or user wavelength, Equal Apparent TAPPI brightness Dominant Wavelength/Purity Stain Test: ISO 105.A04(E) Gray Scale: ISO 105.A05.2 Standard Depth: ISO 105.A06 Opacity: Infinite thickness (paper backing), contrast (89% tile backing) Correlated Haze: ASTM D1003
Tolerancing	Elliptical tolerance, box tolerance, pass/warn/fail criteria
Other Functions	Average measurement, remote measurement (using measuring buttons on CM-500 and CM-2000 series instruments), automatic naming, macros, online help
Minimum System Requirements	OS: Microsoft® Windows® 98, 2000, XP or NT® Operating System 1 USB port 1 Serial port Hard Disk: At least 10MB free space Display: VGA (640 x 480), 256 color or higher

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Study trends



Analyze performance

Metric	Std	Trial 73	Std	Trial 73	Std	Trial 73
ΔL*	0.38	1.01	1.04	1.44	1.01	1.44
Δa*	0.15	0.16	0.19	0.19	0.19	0.19
Δb*	0.08	0.08	0.08	0.08	0.08	0.08
ΔC*cmc	1.06	0.77	0.88	0.88	0.88	0.88
ΔH*cmc	1.07	0.74	0.88	0.88	0.88	0.88

PASS/FAIL: PASS PASS PASS

Mathm. CIF: 0.40 0.45

Darken / Less Green / Rinse: Darken / Less Green / Rinse

Check metamerism

Name	L*	a*	b*	C*	h°	ΔL*	Δa*	Δb*	ΔC*	Δh°	ΔE*	ΔE*	ΔE*	ΔE*	ΔE*	ΔE*	ΔE*	ΔE*	ΔE*
1 Trial 01 19000-1	35.91	54.43	22.38	63.31	29.47	-0.25	0.32	0.76	0.82	0.41	0.88	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
2 Trial 02 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
3 Trial 03 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
4 Trial 04 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5 Trial 05 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
6 Trial 06 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
7 Trial 07 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
8 Trial 08 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
9 Trial 09 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
10 Trial 10 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
11 Trial 11 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
12 Trial 12 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
13 Trial 13 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
14 Trial 14 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
15 Trial 15 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
16 Trial 16 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
17 Trial 17 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
18 Trial 18 19000-1	35.91	54.43	22.38	63.31	29.47	0.00	0.00	0.00	0.00	0.00	0.00	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Summarize batch history data