

# Accuracy Check

(for device performance verification)



## Procedure

Note: Check Standards must be at room temperature (68°F-77°F, 20°C-25°C) to obtain reliable results.

1. Wipe all Check Standard cells with a clean, soft, lint-free cloth or tissue to remove any residue or fingerprints on the cells.
2. Turn on the Colorimeter.
3. Select a test menu (ALL TESTS, RECENT TESTS, or FAVORITES) containing Absorbance using ◀▶.
4. Select Absorbance using ▲▼; then press ENTER ⊙.
5. Select 420 nm using ▲▼; then press ENTER ⊙.
6. Insert Check Standard 0 into sample cell compartment. Align marks per User's Manual.
7. Select ZERO using ◀▶; then press ENTER ⊙. Zero will be displayed.
8. Remove Check Standard 0 and insert Check Standard 1 into sample cell compartment. Align marks.
9. Select READ using ◀▶; then press ENTER ⊙. The absorbance will be displayed. The absorbance reading for the wavelength and Check Standard tested should fall within the corresponding absorbance range listed in the Performance Verification Table.
10. Remove Check Standard 1 and insert Check Standard 2 into sample cell compartment. Align marks. Repeat Step 9 and then continue to Step 11.
11. Remove Check Standard 2.
12. Select WL using ◀▶; then press ENTER ⊙.
13. Repeat Steps 5-12 for wavelengths 470 nm and 520 nm using Check Standard 0, Check Standard 1, and Check Standard 2.
14. Repeat Steps 5-12 for wavelengths 570 nm, 620 nm, and 660 nm, using Check Standard 0, Check Standard 3, and Check Standard 4.

(over)

## Care and Use of Accuracy Check Kit

### ***Instruction #5800***

- Store Accuracy Check Kit at room temperature (68°F-77°F, 20°C-25°C), away from direct sunlight. Do not allow Check Standards to freeze.
- Do not attempt to open Check Standards. Breaking the seal may cause invalid results.
- Clean and dry the outside of the Check Standard cells with a clean, soft, lint-free cloth. Care should be taken to prevent cells from becoming scratched.
- Replace Accuracy Check Kit annually to obtain reliable test results. The Check Standards within the kit are lot-specific and cannot be ordered separately.
- Use Accuracy Check Kit to confirm device performance at both low and high absorbance at each wavelength.
- Do not use Accuracy Check Kit to determine stray light, filter deterioration problems, or to verify wavelength accuracy.
- Do not use Accuracy Check Kit to certify or recalibrate the Colorimeter; the Accuracy Check Kit is not NIST traceable.

## Ordering Info

### **Accuracy Check Kit**

K-8000 Accuracy Check

Formulated for exclusive use with Taylor's TTi® Colorimeter.

### **Accuracy Check Kit Components**

R-8000A Check Standard 0

R-8000B Check Standard 1

R-8000C Check Standard 2

R-8000D Check Standard 3

R-8000E Check Standard 4



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