EasyMatch® QC Lesson 11

Using a Data Series

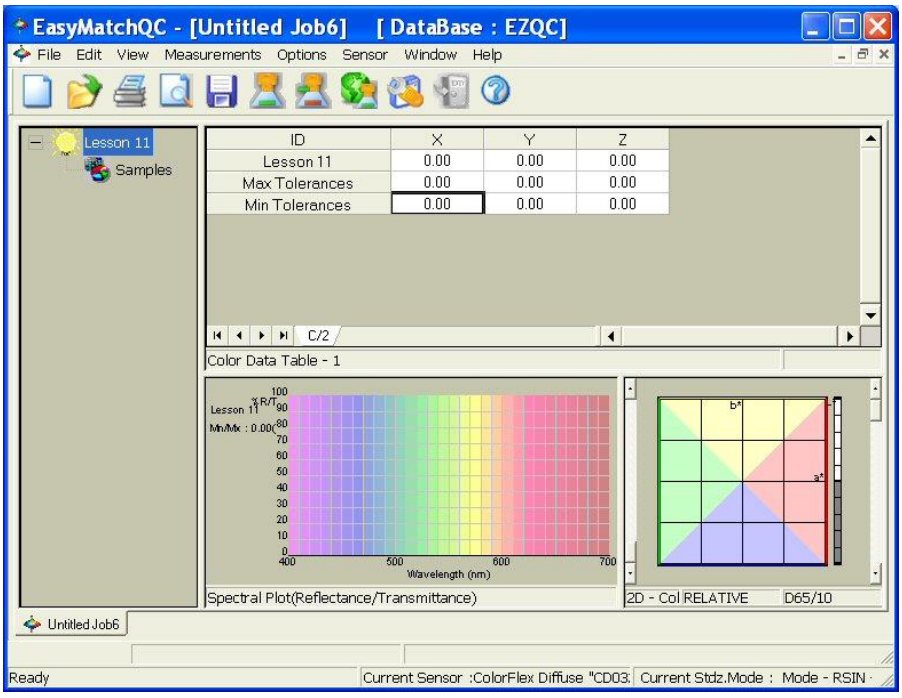
In the case of an ideal physical standard does not exist for your product, and so you cannot read this standard with your instrument or compare samples from your process with this standard. However, you do have a general product specification available such as the following:

X (C/2) must be between 75 and 85
Y (C/2) must be greater than 80
Z (C/2) must be less than 70.

We can use a data series to input these product specifications and then compare samples to it as if it were a standard.

1. **Open a new job** and configure the Color Data Table to display XYZ for C/2 and to show tolerances. You may configure the other parameters however you like.

2. Open the **Measurements** menu and choose **Read Series**. Name the series "Lesson 11." Note that the X, Y, and Z values for the data series are all zero.



   a. Right-click Lesson 11 in the Job Tree and choose **Properties**.

   b. Click **Tolerances**.

   c. On the **Scales** tab, choose XYZ for the scale and C/2 for the illuminant/observer and then enter the tolerances that correspond with your product specifications.

X Min = 75

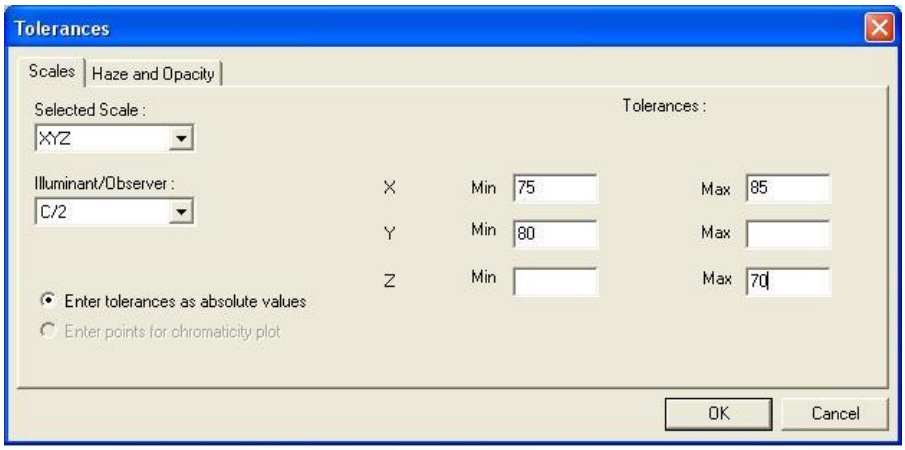
X Max = 85

Y Min = 80

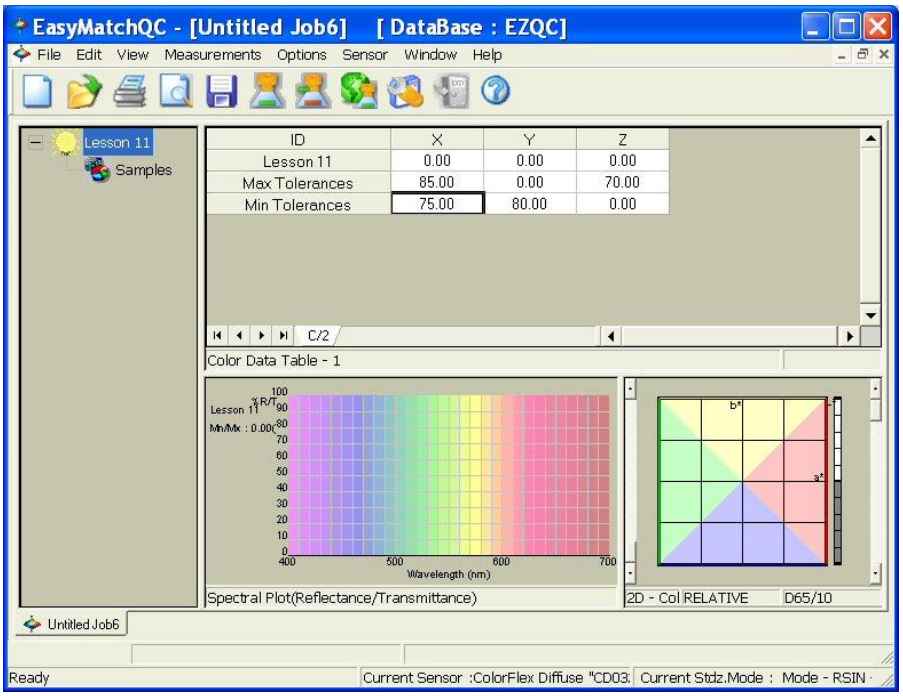
Y Max = No maximum value

Z Min = No minimum value

Z Max = 70.



d. Click **OK** twice to exit the Tolerances screen and the Series Properties screen. The minimum and maximum values entered now show in the tolerance rows of the Color Data Table.



3. **Read a sample** and link it to the Lesson 11 series. It will be assessed versus the minimum and maximum tolerances and pass (green)/fail (red) reported.