

KYZEN TYPE II TEST KIT PROCEDURE



➤ INCLUDED IN THE KIT:



- Custom Glass Graduated Cylinder (KYZEN Flask)
- Stopper Plug
- Plastic Beaker
- KYZEN Type II Reagent
- Concentration Conversion Table

➤ BE AWARE:

- Use personal protection equipment (PPE)
- Wash solution is **HOT**
- Type II Reagent Powder may irritate skin, eyes and/or nose
- Avoid direct contact

➤ PROCEDURE:



STEP 1:

Add one scoop of KYZEN Type II Reagent to the custom glass graduated cylinder.



STEP 2:

Allow wash pump/process mixer to run for five (5) minutes for routine measurement. A new bath may need to run for up to sixty (60) minutes.



STEP 3:

From the sample port, pull a 500mL sample to purge the sample line. Repeat if necessary to completely purge the sample line.



STEP 4:

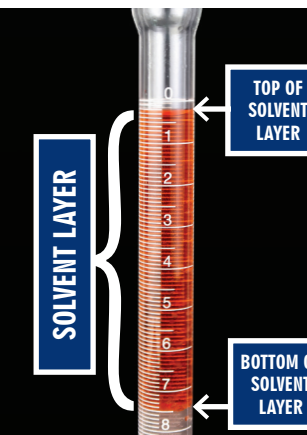
Immediately fill the custom glass graduated cylinder with bath solution directly from the sample port. Do not fill the cylinder above the "0" line. Cork the cylinder with a standard taper size 13 stopper. Holding the stopper in place, rotate the cylinder 3 to 4 times to dissolve reagent powder.



STEP 5:

Immediately remove stopper. Wait five (5) to ten (10) minutes for the sample to separate (split) in the cylinder. Sample is complete when large bubbles completely rise to the surface.

- Some small bubbles may cling to the glass or the solution may have a pink tint.
- Total volume may decrease as the solution cools in the cylinder, but will not affect split calculation.



STEP 6:

View the cylinder at eye-level and determine the volume of the top and bottom of the solvent layer in milliliters (mL). Subtract the top reading from the bottom reading to determine the total volume of the solvent layer.

EXAMPLE CALCULATION:

$$\begin{array}{r} \text{Bottom Reading} \quad 7.5\text{mL} \\ \text{Top Reading} \quad - 0.2\text{mL} \\ \hline \text{Total Split Volume} \quad = 7.3\text{mL} \end{array}$$

(Refer to Concentration Conversion Table in the Product Technical Supplement)

➤ ADDITIONAL INFORMATION:

- Reference the KYZEN Type II Reagent SDS for complete safety and performance considerations.
- A well-mixed bath solution is required for accurate measurement.
- If no sample port is available, pull solution from spray nozzles. Contact your KYZEN Representative to purchase a Sample Port Kit.
- Failure to clean and dry the custom glass graduated cylinder before use can decrease the accuracy of results.
- Using extra powder will not cause the solution to split more quickly and excessive amounts of powder may cause inaccurate measurements.
- Do not shake cylinder after separation has occurred. This will cause a long delay for the solution to split again.
- The initial calibration of the cylinder is certified by the cylinder manufacturer and does **NOT** require further calibration. Please contact your KYZEN Representative should you require a Certificate of Compliance to further validate calibration certification.