

KYZEN TYPE II TEST KIT PROCEDURE

Aquanox® A4625 | Aquanox® A4625B

USE PERSONAL PROTECTION EQUIPMENT (PPE) | WASH SOLUTION IS HOT | TYPE II REAGENT POWDER MAY IRRITATE SKIN, EYES AND/OR NOSE | AVOID DIRECT CONTACT



STEP 1: Add one scoop of KYZEN Type II Reagent to a clean KYZEN Flask.



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.

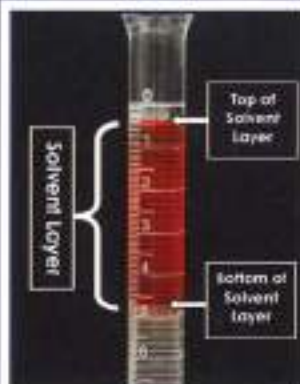


STEP 4: Immediately fill the KYZEN Flask with bath solution directly from the sample port. Do not fill the KYZEN Flask above the "0" line. Cork the flask with a standard taper size 13 stopper. Holding the stopper in place, rotate the flask 3 to 4 times to dissolve reagent powder.



STEP 5: Immediately remove stopper. Wait five (5) to ten (10) minutes for the sample to separate (split) in the flask. 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 flask, but will not affect split calculation.



STEP 6: View the flask 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

$$\begin{array}{r}
 \text{Bottom Reading } 4.8\text{mL} \\
 \text{Top Reading } - 0.5\text{mL} \\
 \hline
 \text{Total Split Volume } = 4.3 \text{ mL} = 16\% \text{ Bath Concentration}
 \end{array}$$

**CONVERSION CHART
ON REVERSE SIDE**

CONCENTRATION CHART

Use the calculated split volume (mL) to determine concentration (%).

mL	Concentration (%)	mL	Concentration (%)	mL	Concentration (%)
0.3	5.0	2.8	13.4	5.3	17.7
0.4	5.5	2.9	13.6	5.4	17.9
0.5	6.5	3.0	13.8	5.5	18.0
0.6	7.5	3.1	14.0	5.6	18.2
0.7	8.3	3.2	14.1	5.7	18.4
0.8	8.8	3.3	14.3	5.8	18.5
0.9	9.3	3.4	14.5	5.9	18.7
1.0	9.9	3.5	14.6	6.0	18.9
1.1	10.1	3.6	14.8	6.1	19.1
1.2	10.3	3.7	15.0	6.2	19.3
1.3	10.5	3.8	15.2	6.3	19.5
1.4	10.8	3.9	15.3	6.4	19.7
1.5	11.0	4.0	15.5	6.5	19.8
1.6	11.2	4.1	15.7	6.6	19.9
1.7	11.4	4.2	15.9	6.7	20.2
1.8	11.6	4.3	16.0	6.8	20.6
1.9	11.8	4.4	16.2	6.9	21.0
2.0	12.0	4.5	16.4	7.0	21.5
2.1	12.2	4.6	16.5	7.1	21.9
2.2	12.4	4.7	16.7	7.2	22.4
2.3	12.6	4.8	16.9	7.3	22.9
2.4	12.7	4.9	17.0	7.4	23.5
2.5	12.9	5.0	17.2	7.5	24.0
2.6	13.1	5.1	17.4	7.6	24.5
2.7	13.3	5.2	17.5	7.7	24.9

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 KYZEN Flask 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 flask after separation has occurred. This will cause a long delay for the solution to split again.
- The initial calibration of the KYZEN Flask is certified by the flask manufacturer and does NOT require further calibration. Please contact your KYZEN Representative should you require a Certificate of Compliance to further validate calibration certification.