

Laboratory Procedure

Performing the Test

1. Determine the Absorbance Value of the test solution in a Spectrophotometer set at 280nm.
2. Fill the concentrator with the test solution.
3. Allow the concentrator to concentrate.
4. Pipette the concentrate from the concentrator.
5. Measure the volume of the concentrate.
6. Add water to bring the volume back to the starting volume that you initially added to the concentrator.
7. Determine the Absorbance Value of the re-constituted solution from the concentrator in a Spectrophotometer.
8. Divide the Absorbance Value from the re-constituted solution into the Absorbance Value of the original test solution.

Example: re-constituted solution from the test concentrator = 280 abs

Original test solution = 290 abs

$280 \text{ divided by } 290 = .965$

$96.5 \times 100 = 96.5\% \text{ recovery}$