

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

Compiled by A. G. DuMez, Reporter on the Progress of Pharmacy.

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THE SOLUBILITY OF POTASSIUM CHLORIDE IN AQUEOUS POTASSIUM IODIDE SOLUTIONS.*

BY S. E. HARRIS AND W. G. CHRISTIANSEN.

In connection with other studies in progress in this laboratory, it became necessary to determine the effect of varying amounts of potassium chloride on the solubility of potassium iodide in water. The determinations were carried out at 20°, 30° and 40° C., and the results are shown graphically in Fig. 1 and in detail in the experimental part. As was expected, the addition of successively larger quantities of KCl to saturated KI solutions depressed the solubility of each until an equilibrium was reached.

In addition the solubility of KCl in terms of grams of salt per 100 cc. of solution was determined for the same temperatures.

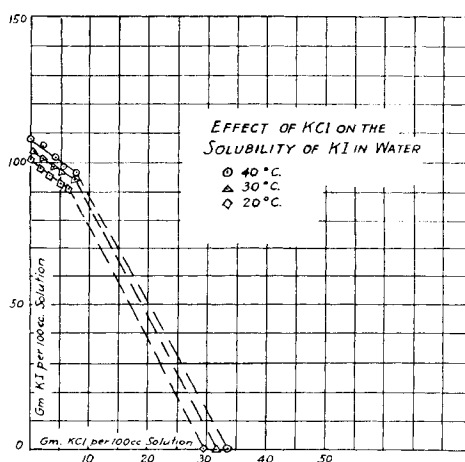


Fig. 1.

* Section on Practical Pharmacy and Dispensing, A. PH. A., Madison meeting, 1933.