COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) (E)-Stilbene; $C_{14}H_{12}$; [103-30-3] (2) Water; H_2O; [7732-18-5]	Andrews, L.J.; Keefer, R.M. *J. Am. Chem. Soc.* 1950, *72*, 5034-7.
VARIABLES:	**PREPARED BY:**
One temperature: 25°C	A. Maczynski and Z. Maczynska

EXPERIMENTAL VALUES:

The solubility of (E)-stilbene in water at 25°C was reported to be 2.9×10^{-5} g(1)/100 g sln.

The corresponding mole fraction, x_1, calculated by the compilers is 2×10^{-8}.

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:

A mixture of (1) and (2) was rotated for twenty hours in a constant temperature bath at 25°C. A sample (5-20 mL) of the aqueous phase was withdrawn and extracted with a measured volume of hexane (10-50 mL) by shaking in a glass-stoppered Erlenmeyer flask. Next, the absorbance of the hexane phase was measured against a hexane blank on the Beckman spectrophotometer.

SOURCE AND PURITY OF MATERIALS:

(1) from the State University of Iowa; m.p. 120-121°C;

(2) not specified.

ESTIMATED ERROR:

not specified.

REFERENCES: