

IUPAC Project Progress Report

Project Number: 2002-036-1-500

Project Title: Solubility data of compounds relevant to human health. Solubility of hydroxybenzoic acids and hydroxybenzoates

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Report:

1. Current status of project:

All of the solubility data of hydroxyl benzoic acids and hydroxybenzoates have been compiled. A total of 177 original studies treating ternary systems published from 1898 to 2001 has been carried out. The solubilities of hydroxyl benzoic acids and alkyl p-hydroxybenzoates in water and in various alcohols could be statistically evaluated at various temperatures.

2. Progress relative to milestones:

The compiled data and the evaluated data will be submitted to the Journal of Physical and Chemical Reference Data.

3. Difficulties encountered (or concerns):

At that present time we have no problems because Professor Wolfgang Voigt and Dr. Mark Salmon gave appropriate suggestions to me at the 3rd Annual Meeting of SSED, University of Aveiro, Portugal.

4. Projected completion date (documents ready for external review):

We would like to finish this project in about one year.

5. Intended outputs and the dissemination plan for this project:

An article (JPCRD) is in preparation.