Supplementary Material

The research and mechanism of extracting vitamin B_6 using Aqueous Two-Phase Systems

Changyu Lu[1,2], Luning Gao[1], Aibing Chen[3], Duo Li[1], and Yahong Zhou[1]

[1] School of Water Resources and Environment, Hebei Province Key Laboratory of Sustained Utilization and Development of Water Resources, Hebei Province Collaborative Innovation Center for Sustainable Utilization of Water Resources and Optimization of Industrial Structure, Hebei GEO University, Shijiazhuang 050031, China.

[2] School of Geology and Environment, Xi'an University of Science and Technology, Xi'an 710064, Shanxi, China.

[3] College of Chemical and Pharmaceutical Engineering, Hebei University of Science and Technology, Shijiazhuang 050018, China.

Correspondence should be addressed to Yahong Zhou; zhyh327@163.com

Tbale S1: Values of parameters of Eq. (1) the mixture of polyethylene glycol/isopropyl alcohol + ethanol + salt (Na_2CO_3/Na_2SO_4) + water ATPSs at different temperatures.

T/K	n_0	a_1	a_2	100sd[a]
Polyethylene Glycol + Ethanol +Na_2SO_4				
308.15	1.3313	0.1522	0.1925	0.016
318.15	1.3299	0.1536	0.1858	0.015
328.15	1.3282	0.1544	0.1779	0.025
Isopropyl Alcohol + Ethanol +Na_2SO_4				
308.15	1.3313	0.1485	0.1931	0.027
Isopropyl Alcohol + Ethanol + Na_2CO_3				
308.15	1.3313	0.1517	0.1655	0.018

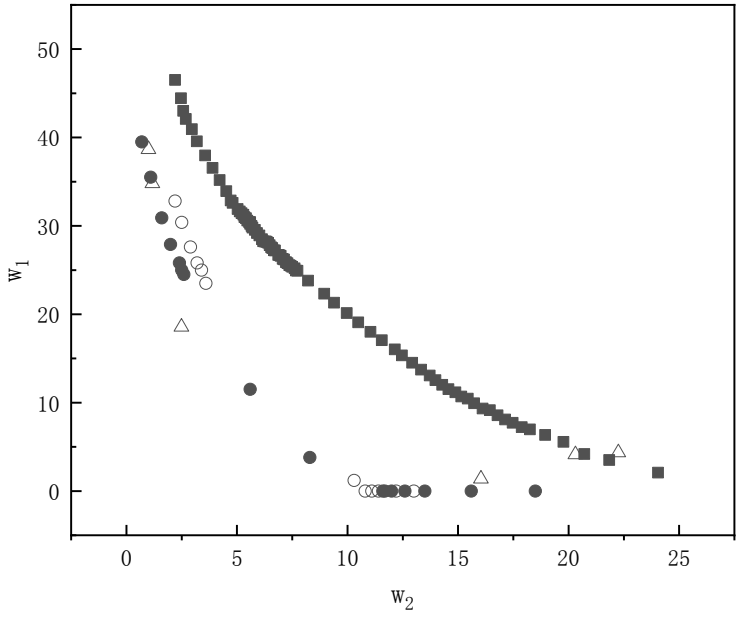

Figure S1 The binodal curves of alcohol + Na_2SO_4 + water systems: ■, polyethylene glycol 1000 + ethanol + Na_2SO_4 + water at T=308.15 K; △, polyethylene glycol 1500 + Na_2SO_4 + water at T=313.15 K(ref. 39); ○, polyethylene glycol 4000 + Na_2SO_4 + water at T=308.15 K (ref. 40) ●, polyethylene glycol 8000 + Na_2SO_4 + water at T=308.15 K (ref. 40).