

Supplementary Information

Speciation and Preconcentration of Chromium from Water and Food Samples by Synthesized Chelating Resin

Gökhan Çimen,^a Şerife Tokaloğlu,^{*a} İsmail Özentürk^b and Cengiz Soykan^b

^aDepartment of Chemistry, Faculty of Science, Erciyes University, TR-38039 Kayseri, Turkey

^bDepartment of Chemistry, Faculty of Arts and Sciences, Uşak University, TR-64200 Uşak, Turkey

Table S1. Effect of coexisting ions on the recoveries of Cr(III)

Interfering ion	Salt	Concentration / (mg L ⁻¹)	R ± s / %
Na ⁺	NaCl	1500	92 ± 2
K ⁺	KCl	1500	96 ± 2
Ca ²⁺	Ca(NO ₃) ₂	100	91 ± 1
Mg ²⁺	Mg(NO ₃) ₂	100	94 ± 2
Cl ⁻	NaCl	1000	97 ± 2
SO ₄ ²⁻	Na ₂ SO ₄	250	90 ± 1
NO ₃ ⁻	Ca(NO ₃) ₂	250	89 ± 1
PO ₄ ³⁻	Na ₃ PO ₄	250	93 ± 3
Mn ²⁺	Mn(NO ₃) ₂	10	81 ± 2
Al ³⁺	Al(NO ₃) ₃	10	104 ± 2
Fe ³⁺	Fe(NO ₃) ₃	10	102 ± 4
Pb ²⁺	Pb(NO ₃) ₂	10	104 ± 2
Cu ²⁺	Cu(NO ₃) ₂	10	106 ± 3
Zn ²⁺	Zn powder	10	105 ± 2
Ni ²⁺	Ni powder	10	100 ± 1
Cd ²⁺	Cd(NO ₃) ₂	10	106 ± 3

R ± s: recovery ± standard deviation.