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Turkish Journal	Potentiometric and Spectroscopic Studies with Chromium(III) Complexes of Hydroxysalicylic Acid Derivatives in Aqueous Solution
of	
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Keywords Authors	<u>Abstract:</u> The stoichiometries and stability constants of the chromium(III) complexes of hydroxysalicylic acid ligands (2,x-dihydroxy benzoic acids; 2,x-DHBA, $x = 4-6$)(H ₃ L) were determined in aqueous solution
	by potentiometry and spectroscopy at 25 °C and at an ionic strength of 0.1 mol L ⁻ (KNO ₃). The
	existence of Cr(HL) ⁺ type complex was verified. The stability constants of coordination species that exist in Cr(III):2,x-DHBA systems were defined. In the acidic medium the major coordination species involve salicylate type coordination. The formation of monohydroxo complexes was observed at higher pH
(a)	values.
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