

VA Application Note No. V- 31

Title:	Coumarin and tartrazine in vodka
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Summary:	Determination of coumarin and tartrazine in vodka
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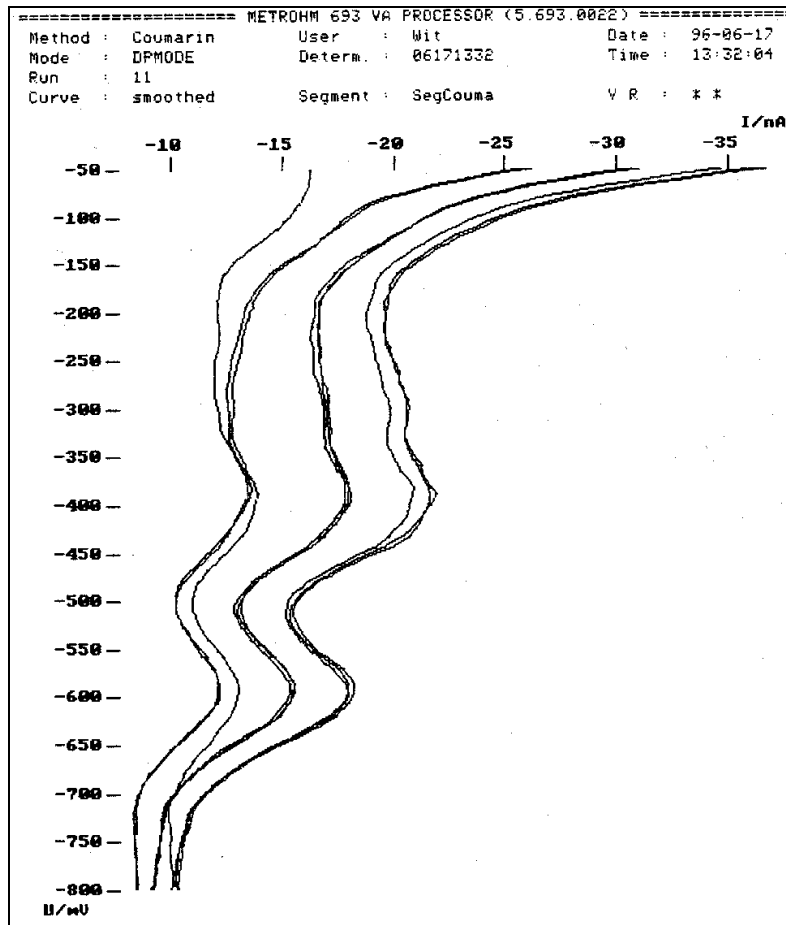
Sample:	Vodka samples
Sample Preparation:	none

Coumarin:	
Electrolyte:	NH ₄ Cl / NH ₃
AE:	Pt
RE:	Ag/AgCl/KCl 3M
Parameters:	DPLSV (-50 mV), HMDE U _{meas} = -50 mV (2s), U _{start} = -50 mV, U _{end} = -800 mV Ep (coumarin) = -400 mV

Tartrazine:	
Electrolyte:	H ₂ SO ₄ , concentrated
AE:	Pt
RE:	Ag/AgCl/KCl 3M
Parameters:	DPLSV (-50 mV), HMDE U _{meas} = +100 mV (2s), U _{start} = +100 mV, U _{end} = -300 mV Ep (tartrazine) = -108 mV

Results:	Coumarin mg/L	Tartrazine mg/L
	55	10.4

Determination of coumarin



Determination of tartrazine

