

VA Application Note No. V- 18

Title:	Tin and lead in organo plating bath
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Summary:	Determination of Sn and Pb in organo plating bath
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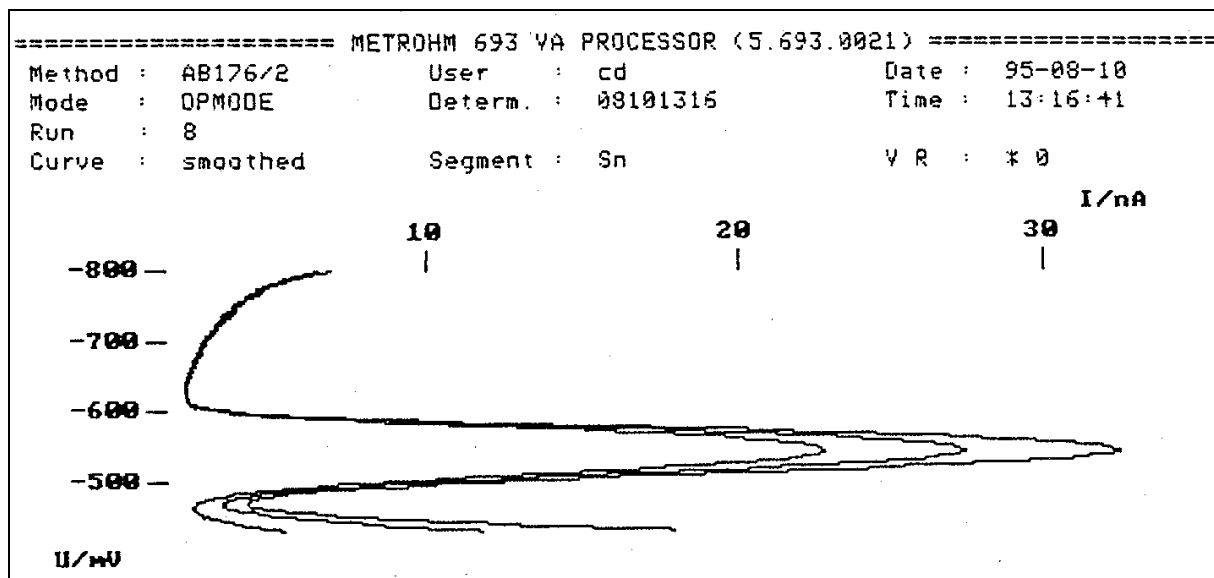
Sample:	Organo plating bath
Sample Preparation:	Wet digestion with H_2SO_4 / H_2O_2

Tin:	
Electrolyte:	HCl, ammonium oxalate, ammonium chloride, methylene blue solution
AE:	Pt
RE:	Ag/AgCl/KCl 3M
Parameters:	DPASV (-50 mV), HMDE $U_{meas} = -800$ mV (90s), $U_{meas} = -580$ mV (60s) $U_{start} = -800$ mV, $U_{end} = -430$ mV E_p (Sn) = -550 mV

Lead:	
Electrolyte:	HCl, ammonium oxalate, ammonium chloride, methylene blue solution
AE:	Pt
RE:	Ag/AgCl/KCl 3M
Parameters:	DPASV (+50 mV), HMDE $U_{meas} = -530$ mV (5s), $U_{start} = -530$ mV, $U_{end} = -200$ mV E_p (Pb) = -410 mV

Results:	Sn g/L	Pb g/L
	87.5	10.9

Determination of tin



Determination of lead

