

VA Application Note No. V - 79

Title: Determination of Ge in electroplating bath

Summary: Ge can be determined on the HMDE by adsorptive stripping voltammetry (AdSV) as catechol complex in acetate buffer.

Sample: Plating solutions containing high concentrations of Zn, Mn, Al, and Fe.

Sample Preparation: none

Germanium:

Electrolyte: catechol + acetate buffer

AE: Pt

RE: Ag/AgCl/KCl (3mol/L)

Parameters: DPAdSV at HMDE

Deposition: -500 mV (30 sec)

Determination: -500 mV to -900 mV

Peak potential Ge: -700 mV

Results:	Ge
	2.0 mg/L

Determination of germanium

