

VA Application Note No. V- 65

Title: Tungsten in organic phase

Summary: Determination of W(VI) in organic phase after digestion

Sample: Olefin epoxide with tungsten as phosphorous complex

Sample Preparation: Wet digestion H_2O_2 / H_2SO_4

Tungsten:

Electrolyte: 8-Hydroxy-7-iodoquinoline-5-sulphonic acid in H_2SO_4

AE: Pt

RE: Ag/AgCl/KCl 3M

Parameters: DPPOL (50 mV), SMDE
 $U_{\text{start}} = -680 \text{ mV}$, $U_{\text{end}} = -1180 \text{ mV}$
 $E_p (\text{tungsten}) = -950 \text{ mV}$

Results:	Tungsten $\mu\text{g/g}$
	23.6

Determination of tungsten

