

# VA Application Note No. V- 43

**Title:** Zinc in herbal pharmaceutical drug against cancer of the prostate

**Summary:** Determination of zinc in herbal pharmaceutical drug against cancer of prostate

**Sample:** Pharmaceutical product (drops)  
**Sample Preparation:** Wet digestion with H<sub>2</sub>SO<sub>4</sub> and H<sub>2</sub>O<sub>2</sub>. After digestion the pH is set to 3.0 with NaOH.

**Zinc:**  
**Electrolyte:** DIN buffer based on KCl / NaCH<sub>3</sub>COO  
**AE:** Pt  
**RE:** Ag/AgCl/KCl 3M  
**Parameters:** DPASV (+50 mV), HMDE  
 U<sub>meas</sub> = -1150 mV (90s)  
 U<sub>start</sub> = -1150 mV, U<sub>end</sub> = -800 mV  
 Ep(Zn) = -950 mV

<b>Results:</b>	<b>Zn</b> μg/L
	<b>63.1</b>

## Determination of zinc

