

VA Application Note No. V-74

Title: Riboflavin in vitamin tablets

Summary: Riboflavin (vitamin B₂) can be determined in vitamin preparations at the DME.

Sample: Multivitamin tablets

Sample preparation: The tablets are dissolved in $c(\text{KOH}) = 0.03 \text{ mol/L}$

Riboflavin:

Electrolyte: 0.05 mol/L KCl + 0.1 mol/L K₂CO₃

AE: Pt

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

Parameters: DME

Determination: -300 mV to -700 mV

Peak potential vitamin B₂: -550 mV

Results:	Vitamin B ₂
	1.9 mg/tablet

Determination of riboflavin

