

VA Application Note No. V- 64

Title:	Free styrene in polystyrene and mixed polymers
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Summary:	Determination of styrene monomers in polystyrene. Free styrene is converted to a polarographically active pseudonitrosite.
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Sample:	Joghurt beaker made of polystyrene
Sample Preparation:	A sample of the yoghurt beaker is dissolved in dioxane. The solution is diluted with acetic acid. Measurement after filtration.

Styrene:	
Electrolyte:	NaNO ₂ and NaAc
AE:	Pt
RE:	Ag/AgCl/KCl 3M
Parameters:	DPPOL (-50 mV), SMDE U _{start} = 0 mV, U _{end} = -400 mV Ep (styrene) = -240 mV

Results:	Styrene mg/g
	3.4

Determination of styrene

