

Table 1. Studied and optimized conditions for the amperometric determination of 2,6-DTBP using a SPGE coupled to a BIA cell.

Operating Parameter	Studied	Optimized
Electrolyte (50 % v/v ethanol)	HClO ₄ or BR buffer pH=2	HClO ₄
E _{oxidation} / V	+0.1 to +1.2	+1.1
Stirring Speed / rpm	0 to 2200	1320
Speed Injection / $\mu\text{L s}^{-1}$	7 to 53	53
Injection Volume / μL	25 to 200	100
HClO ₄ concentration	0.05 to 0.20 mol L ⁻¹	0.10
Ethanol / % v/v	25 to 99	99