

VA Application Note No. V- 36

Title: Mercury in chilli sauce after digestion

Summary: Determination of Hg in chilli sauce after digestion

Sample: Chilli sauce powder
Sample Preparation: A representative amount of sample is boiled slightly with HCl 10%. The solution is filtered and rinsed with HCl 10%. An aliquot of the solution is diluted in water and digested with UV

Mercury:
Electrolyte: EDTA, NaCl, HClO₄
AE: GC
RE: Ag/AgCl/LiCl
Parameters: DPASV (+50 mV), Au-RDE
 $U_{\text{meas}} = +1500 \text{ mV}$ (30s), $U_{\text{meas}} = 370 \text{ mV}$ (120s),
 $U_{\text{start}} = +500 \text{ mV}$, $U_{\text{end}} = +840 \text{ mV}$, $E_p(\text{Hg}) = +580 \text{ mV}$

Results:	Hg μg/g
	5.9

Determination of mercury

