

DIN EN 13806-1:2025-06 (E)

Foodstuffs - Determination of trace elements - Part 1: Determination of total mercury in foodstuffs by atomic absorption spectrometry (AAS) - cold vapour technique after pressure digestion

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Principle	6
5	Reagents	6
6	Apparatus	9
7	Sampling	10
8	Procedure	10
8.1	Digestion and stabilization	10
8.2	Cold vapour atomic absorption spectrometry	10
8.2.1	Spectrometer settings	10
8.2.2	Cold vapour AAS determination	10
8.3	Quality control	10
9	Evaluation	10
9.1	Calculation	10
9.2	Limit of quantification	11
9.3	Precision	12
9.4	Reproducibility	12
9.5	Trueness	12
10	Test report	13
Annex A (informative) Precision data		14
Annex B (informative) Alternative stabilizing reagents and short-term stabilization		16
Bibliography		17