

DIN EN 17881:2024-10 (E)

Food authenticity - DNA barcoding of bivalves and products derived from bivalves using a defined mitochondrial 16S rRNA gene segment

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Symbols and abbreviations	7
5	Principle	7
6	Reagents and materials	7
7	Apparatus	8
8	Procedure	8
8.1	Sample preparation	8
8.2	DNA extraction	8
8.3	PCR	8
8.4	Evaluation of PCR products	10
8.5	Evaluation of the PCR results	10
9	Sequencing	11
9.1	Sequencing of PCR products	11
9.2	Evaluation of sequence data	11
9.3	Comparison of the sequence with GenBank®	11
10	Interpretation of database query results	12
11	Validation status and performance criteria	13
12	Test report	14
Annex A (informative) Practical laboratory data for 16S rRNA barcoding of exemplary bivalve species		16
Bibliography		17