

DIN EN 17462:2021-06 (E)

Animal feeding stuffs: Methods of sampling and analysis - Determination of the radionuclides Iodine-131, Caesium-134 and Caesium-137 in feed

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Symbols and abbreviations	8
4.1	Symbols	8
4.2	Abbreviations	10
5	Principle	11
6	Safety precautions	11
7	Apparatus	11
7.1	General	11
7.2	Equipment for test portion preparation	11
7.3	Containers to be used	12
8	Procedure	12
8.1	Calibration	12
8.2	Test portion preparation	15
8.3	Spectrum recording	16
8.4	Spectrum analysis	16
8.5	Quality assurance	17
9	Expression of results	18
9.1	Massic activity calculation	18
9.2	Characteristic limits	23
9.3	Precision	24
9.4	Test report	25
Annex A(informative) List of possible interfering gamma rays		26
Annex B(informative) Example of uncertainty budget in gamma-ray spectrometry using an HPGe detector		27
Annex C(informative) Results of the collaborative trial		28
Bibliography		33