



NSAI
Standards

Irish Standard Recommendation
S.R. CEN/TS 17174:2018

Animal feeding stuffs: Methods of sampling and analysis - Performance criteria for single laboratory validated and ring-trial validated methods of analysis for the determination of heavy metals

S.R. CEN/TS 17174:2018

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

CEN/TS 17174:2018

Published:

2018-08-01

This document was published under the authority of the NSAI and comes into effect on:

2018-08-19

ICS number:

65.120

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

S.R. CEN/TS 17174:2018 is the adopted Irish version of the European Document CEN/TS 17174:2018, Animal feeding stuffs: Methods of sampling and analysis - Performance criteria for single laboratory validated and ring-trial validated methods of analysis for the determination of heavy metals

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 17174

August 2018

ICS 65.120

English Version

**Animal feeding stuffs: Methods of sampling and analysis -
Performance criteria for single laboratory validated and
ring-trial validated methods of analysis for the
determination of heavy metals**

Aliments des animaux : Méthodes d'échantillonnage et
d'analyse - Critères de performance pour les méthodes
d'analyse validées par un ou plusieurs laboratoires
pour le dosage des métaux lourds

Futtermittel - Probenahme- und
Untersuchungsverfahren - Leistungskriterien für
laborintern validierte und Ringversuch validierte
Analysemethoden zur Bestimmung von
Schwermetallen

This Technical Specification (CEN/TS) was approved by CEN on 8 February 2018 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

CEN/TS 17174:2018 (E)

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Criteria for analytical methods for heavy metals	13
4.1	Overall concepts	13
4.2	Horwitz/Thompson equation	13
4.3	Horwitz ratio	14
4.4	Precision	14
4.5	Trueness	15
4.6	Minimum applicability range	15
4.7	Limit of detection (LOD) and limit of quantification (LOQ)	16
Annex A (normative) Review of the repeatability and reproducibility relative standard deviations reported in the EN 15510 standard and EN 15621 technical specifications		17
Annex B (informative) R_{rec} and RSD versus mass fractions		21
Annex C (informative) Assessment of method compliance		23
Bibliography		25

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-