



National Standards Authority of Ireland

IRISH STANDARD

I.S. ENV 14138:2002

ICS 77.120.60

**LEAD AND LEAD ALLOYS - ANALYSIS BY  
FLAME ATOMIC ABSORPTION  
SPECTROMETRY (FAAS) OR INDUCTIVELY  
COUPLED PLASMA EMISSION  
SPECTROMETRY (ICP-ES), AFTER  
SEPARATION BY CO-PRECIPITATION**

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EUROPEAN PRESTANDARD  
PRÉNORME EUROPÉENNE  
EUROPÄISCHE VORNORM

**ENV 14138**

December 2001

ICS 77.120.60

English version

**Lead and lead alloys - Analysis by flame atomic absorption spectrometry (FAAS) or inductively coupled plasma emission spectrometry (ICP-ES), after separation by co-precipitation**

Plomb et alliages de plomb - Analyse par spectrométrie d'absorption atomique dans la flamme (FAAS) ou par spectrométrie d'émission à plasma inductif couplé (ICP-ES), après séparation par co-précipitation

Blei und Bleilegerungen - Analyse durch Flammen-Atomabsorptionsspektrometrie (FAAS) oder Emission-Spektrometrie mit induktiv gekoppeltem Plasma (ICP-ES), nach Abtrennung durch Mitfällung

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The period of validity of this ENV 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 ENV can be converted into a European Standard.

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### Foreword

This European Prestandard has been prepared by Technical Committee CEN /TC 306, "Lead and lead alloys", the secretariat of which is held by AFNOR.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this European Prestandard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

### CAUTION FOR SAFETY AND TRAINING

The methods in this Prestandard are recommended for the certification of reference materials and as umpire methods in cases of a dispute. The importance of either application, and the paramount issue of safety, requires that they should only be carried out by fully-trained analysts who are experienced in all relevant techniques and the precautions necessary in the inherently hazardous environs of a laboratory, especially those required when using particularly hazardous apparatus and reagents used in some of these methods.

Where a particular hazard exists, this is given as a **DANGER** adjacent to the point in the text where the apparatus or reagent is referenced.

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