Joint Research Centre

Are your results reliable?

Certified reference materials give you confidence in measurements

Only accurate measurement results are useful - in fact inaccurate data can do more harm than good. Certified reference materials give you the confidence that your methods deliver what you expect. Today, certified reference materials are increasingly required to fulfil the criteria of laboratory accreditation schemes. They also demonstrate to your customers that your results are reliable and trustworthy.

Discover our reference materials and user support

The Joint Research Centre in Geel produces certified reference materials for:

- environmental analysis (elements, organic pollutants, metal species)
- food analysis (mycotoxins, proximates, elements, authenticity testing, veterinary drugs)
- GMO testing
- laboratory medicine
- industrial applications (fuels, metals, polymers)
- physical properties (impact toughness, particle size, thermal properties)

Explore our range of environmental and other reference materials via the searchable online catalogue:
https://crm.irmm.jrc.ec.europa.eu

- specimens of all certificates
- MSDS, certificates of origin and health (where necessary)
- detailed technical reports of all certification projects, describing methods used and highlighting analytical pitfalls

We also provide extensive user support, including:

- application notes, most of them available in all European languages
- frequently asked questions
- guidance for estimation of measurement uncertainty in GMO testing laboratories
- guidance on the use of reference materials in genetic testing

and this ‘user support’ section is accessed via: https://ec.europa.eu/jrc/en/reference-materials/user-support

More information on the use of reference materials and the estimation of measurement uncertainties is given in dedicated training courses. Please contact jrc-irmm-sid-secretariat@ec.europa.eu

Confidence in measurements

All certificates and detailed production information can be found at
https://crm.irmm.jrc.ec.europa.eu

https://ec.europa.eu/jrc/
Why choose JRC for reference materials?

JRC in Geel is one of the world’s leading reference material producers. As a research centre of the European Commission, JRC is independent of special interests, whether private or national.

JRC in Geel is committed to quality, and we were the first organisation in Europe to achieve accreditation to ISO Guide 34 for the production of reference materials.

All materials are readily available from JRC in Geel or from our authorised distributors (LGC Standards, Sigma-Aldrich Chemie GmbH, Sigma-Aldrich RTC, ARMI and Industrial Analytical).

How to order reference materials

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