



CERTIFICATES OF ANALYSIS

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LGC Quality | ISO 9001 | ISO/IEC 17025
ISO Guide 34 / ISO 17034



WHAT OUR CERTIFICATE OF ANALYSIS TELLS YOU

Since 1975, Dr. Ehrenstorfer™ has led the way in producing pesticide reference standards. Today, our portfolio has expanded to adapt to changing regulations and technology as we support your needs with high quality reference materials for food and environmental analysis.

Every product you receive comes with a Dr. Ehrenstorfer Certificate of Analysis, which provides a full description of the material to which it relates, as well as a summary of the analyses undertaken during the characterisation process. The following example shows a Dr. Ehrenstorfer reference material Certificate of Analysis for a neat product.



ISO Guide 34 Reference Material Certificate, 2014 – 2018

For certificates of solutions, the following information is included:

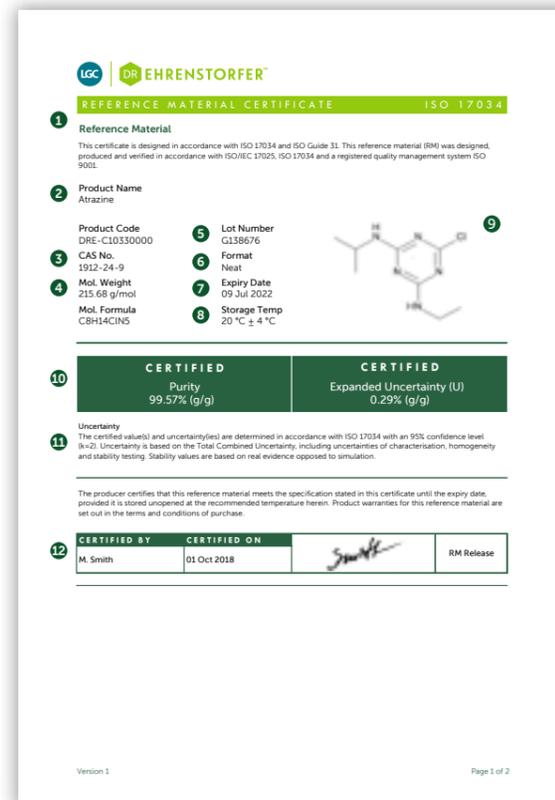
Gravimetric data
Concentration of the product, purity and the weight of product.

Solvent information
Identity, lot number and exact quantity of solvent used.

Traceability data
Identification of materials used including lot numbers for any neat and solution products used.



- 1 Product Name/Code**
Unique identifiers for the product.
- 2 Mol. Weight/Formular**
Molecular weight and formula stated directly on certificate for ease of reference.
- 3 CAS No.**
Unique identifier for the analyte assigned by the Chemical Abstracts Service.
- 4 Lot Number**
Identification number for a specific lot of the product.
- 5 Expiry Date**
Determined by real time and accelerated stability testing (dependent on format).
- 6 Storage Temperature**
Describes optimal long-term storage conditions based on stability studies.
- 7 Storage and Handling**
These are the minimum storage requirements based on stability studies.
- 8 Certified Values**
Purity and associated uncertainty determined for this particular lot of this product.
- 9 Uncertainty**
The expanded uncertainty contribution is calculated according to ISO Guide 34 / ISO 17034.
- 10 Analytical Data**
Details of the methodology used to determine the purity of this particular lot. Analytical chromatograms are also supplied where appropriate on supplementary pages.
- 11 Traceability**
Traceability back to SI unit is demonstrated for all products.



ISO 17034 Reference Material Certificate, 2019 - present

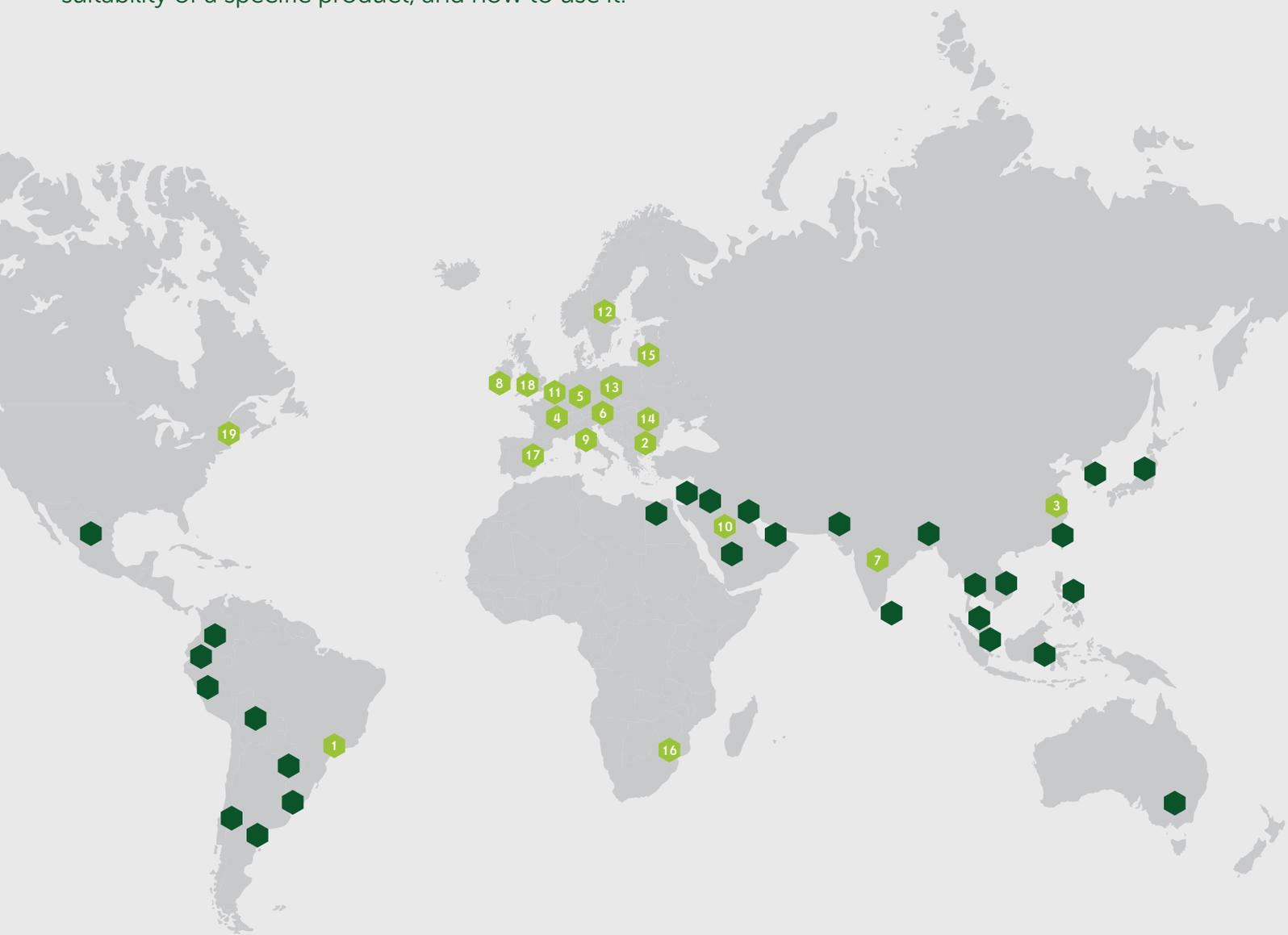
- 1 Accreditation/Quality Level**
Accreditation and Quality level of the product clearly defined.
- 2 Product Name/Code**
Unique identifiers for the product.
- 3 CAS No.**
Unique identifier for the analyte assigned by the Chemical Abstracts Service.
- 4 Mol. Weight/Formular**
Molecular weight and formula stated directly on certificate for ease of reference.
- 5 Lot Number**
Identification number for a specific lot of the product.
- 6 Format**
Identifies the product as a neat, a solution or a multicomponent solution.
- 7 Expiry Date**
Determined by real time and accelerated stability testing (dependent on format).
- 8 Storage Temperature**
Describes optimal long-term storage conditions based on stability studies.
- 9 Chemical Structure**
Provided for neat and single solutions to clearly define analyte.
- 10 Certified Values**
Purity and associated uncertainty determined for this particular lot of this product. These are clearly displayed for you to easily identify.
- 11 Uncertainty**
The expanded uncertainty contribution is calculated according to ISO 17034.
- 12 Certification Statement**
Officially guarantees our confidence in the product.

- 13 Chromatogram**
Including analytical conditions are provided with nearly all products.
- 14 Batch Information**
Describes production methods and further relevant information such as water content and isomeric ratios where applicable.
- 15 Traceability**
Traceability back to SI unit is demonstrated for all products.
- 16 Homogeneity**
An assessment of homogeneity for ISO 17034 products is provided.
- 17 Instructions for Use**
Further tech tips to assist you in your analysis and handling of the product.
- 18 Stamp of Accreditation**
Displayed on certificate for ISO 17034 products to confirm approval by our accreditation bodies (not included on ISO 17025 Reference Material certificates).

To learn more, visit lgcstandards.com/drehrenstorfer



If you need additional copies of the current Certificates of Analysis for individual lots of products in the range, simply visit lgcstandards.com or contact your local office, where our technical staff are always happy to advise on the suitability of a specific product, and how to use it.



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