



Peace of mind with MagIC Net

Compliance with the
Data Integrity Guidelines
made easy

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YOU
CAN
TRUST**

 **Metrohm**

Compliance with the Data Integrity Guidelines made easy

Data integrity requires data to be complete, consistent, and accurate throughout their complete lifecycle, thus providing full transparency and traceability. Industry guidelines about data integrity, used by the FDA, WHO, PIC/S and GAMP, are described within the acronym **ALCOA** and **ALCOA+**, respectively. Our chromatography software MagIC Net gives you peace of mind, as it ensures all data to have the following qualities stipulated by **ALCOA** and **ALCOA+**.



ALCOA

ATTRIBUTABLE – WHO PERFORMED WHICH ACTION AND WHEN?

MagIC Net stores in the database and in the audit trail the name of the person performing the task, together with the date and time of each action. (Data creation, data modification, login/logout attempts, data retrieval, ...)

LEGIBLE – DOES DATA REMAIN READABLE THROUGHOUT THE COMPLETE LIFECYCLE?

Whenever data are generated, **MagIC Net** makes it possible to export the data to the network or an external memory in PDF, CSV, SLK, CDF, or XML format. In this case, the user is responsible for archiving the data in a permanently readable format.

CONTEMPORANEOUS – ARE RECORDS CREATED AT THE TIME OF THE ACTIVITY?

The **MagIC Net** audit trail records all activities from all users by creating a data record with the name of the user and the client, the action, date, time, and difference to UTC.

ORIGINAL – IS THIS THE FIRST RECORDED OBSERVATION OR A VERIFIED, TRUE COPY?

MagIC Net identifies the original data based on the version number of the original record. The original data are always kept (original version) even after changes have been made (different versions). There is direct access to the last or all revised versions via a version history depending on the configuration.

ACCURATE – IS DATA STORED CORRECTLY AND ARE MODIFICATIONS CLEARLY DOCUMENTED?

MagIC Net provides the necessary metadata for all data in order to identify the context (e.g., name of the method, the instrument hardware, or the column and solutions), the meaningfulness of the data (e.g., indication of a result in connection with the used unit), date and time. Modifications are noted and documented in the history.

In the **MagIC Net** database the data is linked to the validation, calibration, and verification processes.

ALCOA+

The ALCOA guidelines were recently updated to also cover aspects such as completeness, consistency, endurance, and availability of data.

COMPLETE – ARE ALL RELEVANT DATA STORED?

MagIC Net provides in its database all the information required to create the records, including metadata and changes. The audit trail provides information about all the activities required to obtain the data.

CONSISTENT – CAN THE OPERATION WORKFLOW BE RECONSTRUCTED?

A formalized process systematically repeats and retraces the data retrieval processes managed by **MagIC Net** in always the same way.

ENDURING – DOES STORED DATA REMAIN AVAILABLE FOR THE DURATION OF THE REQUIRED RETENTION PERIOD?

Whenever data are generated, **MagIC Net** makes it possible to save the data in the database in MagIC Net format. Subsequent versions of MagIC Net are able to read data created in earlier versions.

AVAILABLE – IS DATA ACCESSIBLE / READABLE / PRINTABLE?

The records are available throughout the entire retention period for checks, reviews, and audits in the database of **MagIC Net** and also available in other formats depending on the user's management after a data export (e.g., PDF, CSV, SLK, CDF, or XML)

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Spectroscopy!**

