Clarity Validation Kit for Operational Qualification

Clarity Validation Kit:

Clarity Validator (precise analog signal generator device)

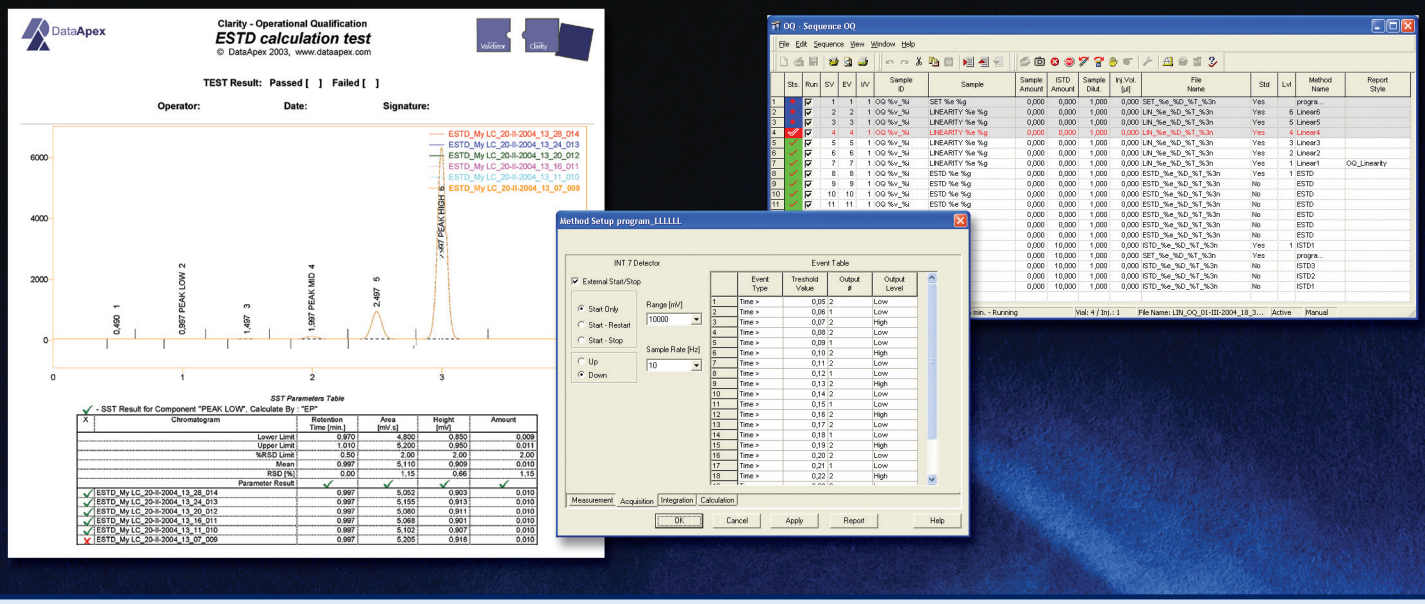
Clarity Validation Kit Manual

CD with all files necessary for performing the Operational Qualification

Cables

Operational qualification tests:

Retention time precision and accuracy
Voltage (peak height) measurement precision and accuracy
Area determination precision and accuracy
Calibration and calculations – ESTD and ISTD methods
Consistency of acquisition ranges



The quality of analytical data is an issue gaining increased attention in many laboratories today. One condition for ensuring the reliability of generated results lies in the validation of all instrumentation and procedures used for the acquisition of said data.

Commonly, three levels of validation (qualification) are relevant for chromatography data stations:

Installation Qualification:
a procedure confirming that the datastation was successfully installed and that the installation contains all the required files of the correct version. Installation qualification is an integral part of the Clarity Chromatography datastation installation procedure.

Operational Qualification:
a procedure confirming that the datastation is performing according to the manufacturer's specification.
The **Clarity Validation** kit serves this purpose.
Using a precise peak generator, chromatographic data is acquired and analyzed with prepared procedures and the acquired results are compared with expected values.

Performance Qualification:
a procedure confirming that the analytical system is fit for a given type of analysis. Usually, the overall system performance is tested by this procedure with respect to the requirements of the desired application.
The Clarity data station offers many tools in the **System Suitability Test (SST)** module to efficiently evaluate the system performance.

The **Clarity Validation Kit** is designed to perform the **Operational Qualification** of the **Clarity Chromatography Station** (version 2.2 or higher) with **INT7** or **U-PAD** A/D converters.
An optional **Clarity SST** module is necessary for data evaluation.

The kit is primarily intended for trained service personnel, who regularly perform validations of chromatography systems using **Clarity** data stations. However it can also be used by experienced users for in-house validations. The operator must be familiar with **Clarity** datastation operations.