















Agilent Compliance Services Differentiation

The terms associated with laboratory compliance can have multiple meanings; what a term means at one company may be different at another.

To address terminology inconsistencies in global regulatory quality guidance, Agilent has created this table to define and differentiate some common compliance terms for services that Agilent offers, so you can understand what's required for your lab and start working towards those objectives.

Calibration is a generalized term that may be synonymous with maintenance or other compliance offerings listed here.*

	Verification	Qualification	Computer System Validation
Definition	Factory recommended, metrology-based testing suite for your analytical instrument. It provides confirmation of the accuracy and performance of critical system functions	Collection of tests used to verify that instruments are operating within stated limits and tolerances based on manufacturer recommendations and user requirements	The process of documenting that a computerized system is capable of meeting its intended use which is defined as a combination of business workflows, scientific applications, and regulatory requirements
Regulatory guidelines	ISO 17025 or equivalent ¹	USP <1058> Analytical Instrument Qualification	ISPE GAMP 5 ²
Length of time	 2-4 hours (average)	 5-7 hours (average)	 Weeks to months
Relevant markets and industries	   Applied (food, chemical, energy, etc.)	  Pharma and biopharma	
Applicable to	 Instruments	  Software and instruments	
More information	Verification 	Instrument qualification 	Computer System Validation 

* Calibration is important for many types of laboratory equipment. This activity establishes a relationship between an indication and a known value, which is then used to correct the equipment's response if required.

For certain less complex equipment (e.g., balance), standard calibration activities alone may be sufficient to demonstrate its compliance. However, for more complex instruments that provide multiple measurements (e.g., HPLC), additional periodic activities are required to demonstrate the compliance of the system³.

1. Agilent System Verification Services, [5994-6427EN](tel:5994-6427EN)
2. Agilent Computer System Validation Services, [5994-1753EN](tel:5994-1753EN)
3. <1058> Analytical Instrument Qualification. Vol. 42. United States Pharmacopeia, 2019. Print

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This information is subject to change without notice.