

# CUSTOM STANDARDS

Standards manufactured to unique specifications available with a range of analytes, concentrations, and matrices.

# Experience. Speed. Reliability.

Did you know that our chemists have prepared more than 20,000 unique custom standards?

Custom projects cover a range of analytes, concentrations, and matrices. Whether it is one standard or one hundred, our chemists regularly prepare standards for a range of needs and situations including managed methodology studies, project or site-specific matrices, project or sample-specific limits, and ultra-trace to percent level concentrations.

Examples of custom standards prepared:

- 10,000 mg/kg total organic carbon in soil
- Organic mercury in fish tissue
- Pesticides in freeze-dried spinach
- XRF metals in soil
- Speciated metal standards
- Organometallic standards

## Certification of Custom Standards

Three options for certification of custom standards:

- Gravimetric/volumetric
- Analytical
- ISO 17034 certified reference materials\*

*\*Option is based on Waters ERA's  
ISO 17034 scope of accreditation.*

## From Simple to Complex and Everything in Between

A custom standard containing any analyte from the following programs can be supplied:

- Clean Water Act (CWA)
- Safe Drinking Water Act (SDWA)
- Resource Conservation and Recovery Act (RCRA)
- Superfund Contract Laboratory Program (CLP)
- Standards Council of Canada (SCC)
- Canadian Association for Laboratory Accreditation (CALA)
- Ontario Ministry of the Environment and Climate Change (MOECC) Safe Drinking Water Act (SDWA)

To request a custom quotation, please visit us online at

[eraqc.com/customstandards](http://eraqc.com/customstandards)

or email us at [info@eraqc.com](mailto:info@eraqc.com)

# Custom Standards

## Performance Evaluation With Double-Blind Project

Gain a level of confidence with tangible evidence that your laboratory is meeting all quality objectives through a double-blind performance evaluation.

The key to evaluating the real performance of your laboratory is in finding the proper blend of realistic sample designs and accurate, stable analyte concentrations.

Here is how a performance evaluation program works:

1. Specify the matrices, analytes, and concentrations. If a stock standard is not available, we can design and prepare custom PE standards.
2. Send us your empty sample bottles, labels, chain-of-custody forms, and sample coolers.
3. We prepare, dilute (if necessary), and preserve the standards; fill your sample bottles; and, return the samples to you via overnight delivery service. You'll receive Waters ERA's certified values and performance acceptance limits (PALs) under separate sealed cover.

4. Integrate the standards into your sampling event or introduce them into your lab's routine sample load.
5. Your lab analyzes the blind PE standards along with routine samples.
6. Compare your lab's results to Waters ERA's certified values and performance acceptance limits.

We can help you design a double-blind project that matches your project-specific needs. Speak with a Waters ERA representative today to begin the process of understanding the real performance of your laboratory.



Learn more about Custom Standards

**Tom Gilroy**  
North America Sales &  
Customer Service Manager



**Matt Graves**  
Organic Chemist



# CUSTOM STANDARD QUOTATION REQUEST FORM

Contact Name: \_\_\_\_\_ Date: \_\_\_\_\_

Waters ERA Customer #: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Company Name: \_\_\_\_\_ Email: \_\_\_\_\_

Bill to: \_\_\_\_\_ Ship to: \_\_\_\_\_

(shipping address is the same as billing address) **Date Needed:** \_\_\_\_\_

Additional/Special Requirements (packaging, shipping, etc.): \_\_\_\_\_

	Analytes	CAS #	Concentrations	Units
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Sample Description (for label): \_\_\_\_\_

Matrix/Solvent: \_\_\_\_\_

Preservative: \_\_\_\_\_

Mass/Volume per Container: \_\_\_\_\_ Number of Containers: \_\_\_\_\_

Intended Use (calibration, QC, etc.): \_\_\_\_\_

Prep/Analytical Method: \_\_\_\_\_

Select: Ready-to-use  Concentrate  Dilution Instructions: \_\_\_\_\_

Most custom standards are gravimetrically certified based on the manufacturing process. Analytical verification may be available for your custom standard, depending upon the standard formulation. Contact Waters ERA to discuss pricing and availability.

- A Waters ERA representative will contact you within one business day to discuss your request.
- Waters ERA provides blind standards to help you evaluate your laboratory's performance. Call and speak with an ERA representative to learn more.