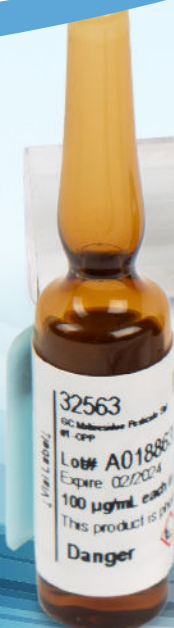




Reference  
Standards

# Rethinking Your Reference Standards Experience

Restek's newly overhauled packaging, labeling, and certificates of analysis help you improve your laboratory's safety and productivity while complying with regulations.



32563  
GC Multiresidue Pesticide Std #1 -OPP  
Lot# A0188639  
Expire: 02/2024 Store: 10°C or colder  
100 µg/mL each in Toluene  
This product is photosensitive

**RESTEK**  
110 Benner Circle  
Bellefonte, PA 16823  
www.restek.com  
**RESTEK**  
US/EN  
1 mL

Catalog No. : 32563  
Description : GC Multiresidue Pesticide Std #1 -OPP  
Container Size : 2 mL  
Expiration Date : February 29, 2024  
Handling: This product is photosensitive

**RESTEK**

Pure Chromatography

[www.restek.com](http://www.restek.com)



Based on your feedback, Restek's ISO-accredited reference standards labs have made a number of improvements to our packaging, labeling, and certificates of analysis. By the end of December 2022, all newly manufactured Restek standards will feature these exciting updates.\*

Whether or not you have used our stock or *custom* reference standards in the past, we invite you to read on and see how, now more than ever, Restek is the best choice for your lab and your peace of mind.

*\*There will be a period of transition through 2023 when you may receive a combination of existing and new product formats.*



**Don't delay!** Experience Restek reference standards today at  
[www.restek.com/reference-standards](http://www.restek.com/reference-standards)



## Great Standards Come in Smaller Packages

The first thing you will notice when you receive your first updated Restek reference standard is that our ampul storage tubes are much smaller.

- **Tailored Fit for Better Protection**—the new, round design perfectly fits a Restek ampul (and included deactivated vial) to help prevent breaking and avoid a potential safety hazard and operational disruption.
- **Store More Standards in Less Space**—you can fit *three* of our new storage tubes in the same space as one tube of the old design.
- **Environmentally Friendly**—because they use less plastic, our new storage tubes help you reduce your environmental footprint.

### How small are they?

Our new ampul storage tubes are 4.4 inches tall and only 0.7 inches in diameter.



## Convenience and Safety Included with Every Standard

Perhaps the most compelling change we made to our reference standards is on the ampul storage tube label.

- **Personalized, Instant Access**—simply scan the QR code to go directly to the certificate of analysis for *your specific standard and lot #* on Restek.com; view, download, or print your documentation any time, from anywhere.
- **Emphasis on Safety**—larger pictograms on our already GHS-compliant labels better promote safety in your lab and continue helping you meet OSHA, CLP, and other government requirements.



### Need a current or past certificate?

As always, all of your certificates and SDSs can also be accessed by visiting [www.restek.com/documentation](http://www.restek.com/documentation)



## Two Upgraded Labels in One Location

Our new two-part ampul label makes identification and documentation easier.



### **Hard to Lose, Easy to Use**

Vial and notebook labels arrive attached to the ampul and each other, and they are easy to remove and separate.



### **No Trimming Required**

The perfectly sized vial label provides clear visibility to contained volume and seamless autosampler integration.



### **Recordkeeping Made Simple**

The new, larger notebook label is easier to read and features "received" and "opened" write-in date areas.



### **Ensure Proper Handling**

Full handling instructions on both labels help ensure the integrity of your standards before and after transfer.

## More Compliant Options for Simpler Documentation

We worked closely with our independent ISO accreditation body representatives to streamline and improve your documentation.

- **Work Faster with Less Uncertainty**—our certificates now show a single "total expanded uncertainty" value, as opposed to the three values we provided historically, to help avoid confusion and bolster your confidence in your reporting.
- **Improved Testing for Even More Accuracy**—we also conducted extensive, real-time travel studies on our standards to enhance the accuracy of the now-single uncertainty value.
- **Three Ways to Meet CoFA Requirements**—all three levels of documentation available for custom Restek reference standards are now clearly and accurately marked as a different type of "certificate of analysis" with updated definitions to clarify the differences.



### **What levels of certification can I choose from?**

Our new levels of documentation for custom standards are:

- **Certificate of Analysis – Gravimetric** includes all raw material information, lot numbers and purity, isomer ratios for isomeric compounds, and calculated concentration(s). Associated uncertainties are also included for certified reference materials (CRMs).
- **Certificate of Analysis – Chromatographic** includes all raw material information, lot numbers and purity, isomer ratios for isomeric compounds, and calculated concentration(s). Associated uncertainties are also included for certified reference materials (CRMs). Additionally, a single sample is withdrawn from the packaged units and is tested via an appropriate technique to verify mixture composition. A chromatogram of the analyzed standard, with each peak identified, is included on the certificate.
- **Certificate of Analysis – Chromatographic Plus** includes all raw material information, lot numbers and purity, isomer ratios for isomeric compounds, and calculated concentration(s). Associated uncertainties are also included for certified reference materials (CRMs). Additionally, a sample of the packaged units is analyzed in triplicate, and the peak areas are statistically compared to a second lot: either a previous lot (if available) or a freshly produced independent second lot. A chromatogram of the analyzed standard, with each peak identified, is included on the certificate. Plus, a detailed data pack containing the product certificate, all quantitative assay data and statistics, and the Reference Material Batch Record are available at [www.restek.com/documentation](http://www.restek.com/documentation)

If you have ordered or requested a quote for custom reference standards from Restek in the past, it is time to reevaluate your documentation at [www.restek.com/solutions](http://www.restek.com/solutions). You may opt to select a different level for future orders depending on your requirements!



## We Want to Hear from You!

A key point of Restek's Quality Policy is striving for continual improvement. As proud as we are of the quality of our reference standards—as well as the personalized Plus 1 service and full suite of chromatography supplies and applications that we offer to support them—we are always looking for ways to improve your experience. If you have questions or feedback, contact your local Restek representative at [www.restek.com/contact-us](http://www.restek.com/contact-us) today.



### *What Did NOT Change?*

Restek is well known for the quality and reliability of our reference standards. Rest assured that we did not change the following:

- Manufacturing processes
- QC methods
- ISO accreditations
- CRM designations
- Ampuls
- Composition of the standards themselves

You still order the same item/catalog numbers and receive the same high-quality standards you have come to rely on from Restek!

**RESTEK**  
Pure Chromatography

**Questions? Contact us or your local Restek representative ([www.restek.com/contact-us](http://www.restek.com/contact-us)).**

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