



TOTAL ORGANIC CARBON (TOC) VIALS

Low-level certified vials for USP <643> TOC water testing and sampling in pharmaceutical, biotech, and medical industries.

RELIABLE LOW TOC PERFORMANCE

Rigorous quality assurance and quality control ensure consistently low TOC background levels, which are crucial for accurate sampling and testing.

INSTRUMENT COMPATIBILITY

40 mL vials are compatible with most automated TOC analyzers and sampling systems.

VERSATILE PACKAGING

80-pack slotted case is cleanroom-ready for safe, efficient storage and handling.

CERTIFIED & TRACEABLE

Each lot is tested and certified to contribute <10 ppb or <20 ppb TOC background.



(800) 396-7123
www.cgcontainers.com

Products for Critical Environments
Contact us for pricing, custom options,
or to request additional information
about our certified TOC vials.

COMMON APPLICATIONS

- USP <643> Total Organic Carbon Testing
- High Purity Water (HPW) Sampling
- Cleaning Validation Studies
- Calibration and System Suitability Testing
- Water for Injection (WFI) Monitoring
- Biopharmaceutical Manufacturing Quality Control
- Storage of Low-TOC Standards
- Environmental Monitoring in GMP Facilities
- Process Water Analysis in Medical Device Production

QUALITY CONTROL

All components undergo a rigorous, multi-step cleaning process that meets our Performance-Based Specifications (PBS). Each stage is closely monitored to ensure compliance with established standard operating procedures and quality assurance requirements.

Each component of the TOC vial is meticulously tracked throughout the multi-stage cleaning and assembly process. Upon completion of the process, a unique lot number is assigned to the finished product and recorded to ensure full traceability in accordance with quality assurance protocols. Random samples from each lot undergo analytical testing to verify compliance with stringent TOC specifications (<10 ppb or <20 ppb).

Additionally, 100% of vials are visually inspected during assembly to ensure that the container, septa/closure, and dust cover are clean and free of visible artifacts or anomalies. Fit and leak testing are performed on each lot to ensure optimal performance.

QUALITY ASSURANCE

Each 80-pack case includes a Certificate of Analysis (CoA) verifying that the vials meet the <10 ppb or <20 ppb Total Organic Carbon (TOC) specification. Upon request, a copy of the analytical report supporting lot certification can also be provided. These documents offer additional verification of vial cleanliness and provide assurance of product integrity and regulatory readiness.

Capacity	Cap Size	Cap Liner	Dust Cover	Qty/Cs	<10 ppb	<20 ppb
40 mL	Polypropylene 24-410	Teflon/Silicon .060"	Polypropylene	80	76423-174	76423-176

<10 ppb: Packaged in polypropylene anti-static low particulate packaging

<20 ppb: Packaged in a chipboard divider