

# TOC/TIC Standards - Premium Range

## Summary of Features & Benefits:

### Commercial Benefits

- Extensive range (500ppb to 20,000ppm /0.5mg/L to 20,000mg/L)
- Presented in single - use glass vials
- Extended shelf life
- Ready to Use
- Offered as single vials or convenient kit format

### Technical Benefits

- In accordance with USP <643> and <1051> guidelines
- Consistency of product - Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online
- Extremely high specification and purity
- Manufactured in a cleanroom environment
- Vials are manufactured, cleaned and leached specifically for low level TOC standards
- Products manufactured from Ultra-Pure Water, produced by a special proprietary process

Reagecon manufactures a range of Total Organic Carbon (TOC) and Total Inorganic Carbon (TIC) Standards for ease of use when calibrating all types of TOC analysers, irrespective of brand. All of our TOC standards are manufactured using high purity raw materials in accordance with USP <1051> and <643> guidelines. These products are prepared gravimetrically on a weight/weight basis. Both solute (salts) and solvent (water) are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of laboratory balances (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The TOC / TIC of the standard is verified using a high performance calibrated TOC analyser. The calibration of this instrument involves the use of high purity ISO Guide 34 accredited TOC standards similar in TOC value to the products listed in the following tables.



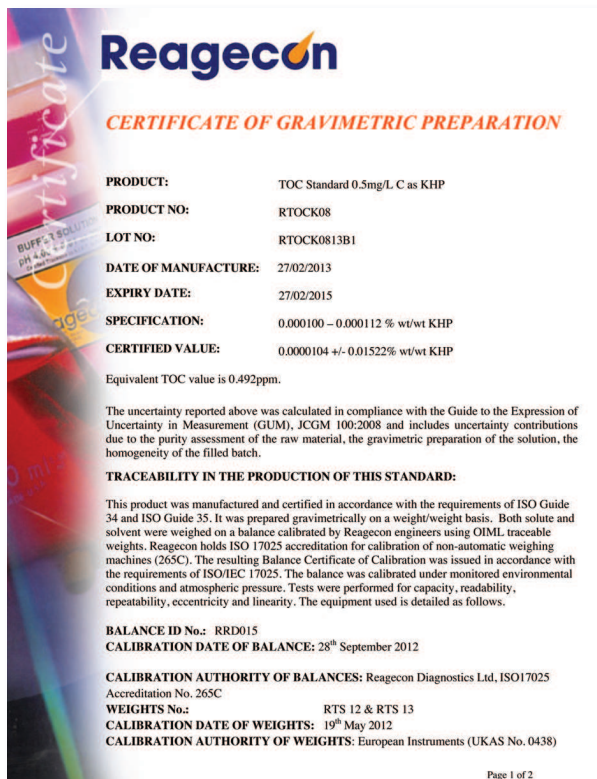
## TOC/TIC Standards

| Product No. | Description   | Pack Size |
|-------------|---|-----------|
| RTOCW       | USP Reagent Water Rw  | 35ml      |
| RTOCRs      | USP Standard Sucrose Solution Rs (0.5mg/L C)                  | 35ml      |
| RTOCRss     | USP System Suitability Solution 1, 4-Benzoquinone (0.5mg/L C) | 35ml      |
| RTOCK08     | TOC Standard 0.5mg/L C as KHP                                 | 35ml      |
| RTOCK09     | TOC Standard 1.0mg/L C as KHP                                 | 35ml      |
| RTOCK10     | TOC Standard 1.5mg/L C as KHP                                 | 35ml      |
| RTOCK11     | TOC Standard 10mg/L C as KHP                                  | 35ml      |
| RTOCK12     | TOC Standard 25mg/L C as KHP                                  | 35ml      |
| RTOCK13     | TOC Standard 50mg/L C as KHP                                  | 35ml      |
| RTOCK14     | TOC Standard 5mg/L C as KHP                                   | 35ml      |
| RTOCK15     | TOC Standard 2.5mg/L C as KHP                                 | 35ml      |
| RTOCK16     | TOC Standard 4mg/L C as KHP                                   | 35ml      |
| RTOCK17     | TOC Standard 100mg/L C as KHP                                 | 35ml      |
| RTOCK18     | TOC Standard 1,000mg/L C as KHP                               | 35ml      |
| RTOCK19     | TOC Standard 5,000mg/L C as KHP                               | 35ml      |
| RTOCK20     | TOC Standard 20,000mg/L C as KHP                              | 35ml      |
| RTICN01     | TIC Standard 0.5mg/L as Na <sub>2</sub> CO <sub>3</sub>       | 35ml      |
| RTICN02     | TIC Standard 1.0mg/L as Na <sub>2</sub> CO <sub>3</sub>       | 35ml      |
| RTICN03     | TIC Standard 1.5mg/L as Na <sub>2</sub> CO <sub>3</sub>       | 35ml      |
| RTICN04     | TIC Standard 2mg/L as Na <sub>2</sub> CO <sub>3</sub>         | 35ml      |
| RTICN05     | TIC Standard 5mg/L as Na <sub>2</sub> CO <sub>3</sub>         | 35ml      |
| RTICN06     | TIC Standard 10mg/L as Na <sub>2</sub> CO <sub>3</sub>        | 35ml      |
| RTICN07     | TIC Standard 25mg/L as Na <sub>2</sub> CO <sub>3</sub>        | 35ml      |
| RTICN08     | TIC Standard 50mg/L as Na <sub>2</sub> CO <sub>3</sub>        | 35ml      |
| RTICN09     | TIC Standard 4mg/L as Na <sub>2</sub> CO <sub>3</sub>         | 35ml      |
| RTOCS01     | TOC Standard 0.5mg/L C as Sucrose                             | 35ml      |
| RTOCS02     | TOC Standard 1.0mg/L C as Sucrose                             | 35ml      |
| RTOCS03     | TOC Standard 2mg/L C as Sucrose                               | 35ml      |
| RTOCS04     | TOC Standard 5mg/L C as Sucrose                               | 35ml      |
| RTOCS05     | TOC Standard 10mg/L C as Sucrose                              | 35ml      |
| RTOCS06     | TOC Standard 25mg/L C as Sucrose                              | 35ml      |
| RTOCS07     | TOC Standard 50mg/L C as Sucrose                              | 35ml      |
| RTOCS08     | TOC Standard 0.25mg/L C as Sucrose                            | 35ml      |
| RTOCS09     | TOC Standard 0.75mg/L C as Sucrose                            | 35ml      |
| RTOCS10     | TOC Standard 4mg/L C as Sucrose                               | 35ml      |
| RTOCS11     | TOC Standard 500mg/L C as Sucrose                             | 35ml      |

| Product No. | Description   | Pack Size |
|-------------|---|-----------|
| RTOCN01     | TOC Standard 50mg/L C as Nicotinamide   | 35ml      |
| RTOCN02     | TOC Standard 0.5mg/L C as Nicotinamide  | 35ml      |
| RTOCM01     | TOC Standard 0.5mg/L C as Methanol  | 35ml      |
| RTOCWa      | USP Reagent Water Rw acidified with HCl   | 35ml      |
| RTOCRsa     | USP Standard Sucrose Solution Rs (0.5mg/L C) acidified with HCl   | 35ml      |
| RTOCRssa    | USP System Suitability Solution 1,4-Benzoquinone (0.5mg/L C) acidified with HCl   | 35ml      |
| RTOCUSP1    | USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss)  | 3 x 35ml  |
| RTOCUSP2    | 2 x USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss). Delivered at six month intervals  | 3 x 35ml  |
| RTOCUSP4    | 4 x USP System Suitability Sets, consisting of: 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss). Delivered at three month intervals   | 3 x 35ml  |
| RTOCUSP12   | 12 x (USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss). Delivered at monthly intervals  | 3 x 35ml  |
| RTOCUSP52   | 52 x (USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss). Delivered at 2 weekly intervals   | 3 x 35ml  |
| RTOCUSP260  | 260 x USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss). Delivered at 2 weekly intervals   | 3 x 35ml  |
| RC120001    | Carbon Calibration Set 1-50mg/L C consisting of 1 x 40ml vial each of calibration blank (RTOCW), TOC Standards 1(RTOCK09), 5 (RTOCK14), 10 (RTOCK11), 25 (RTOCK12), 50 (RTOCK13) mg/L C as KHP, TIC Standards 1mg/L (RTICN02), 5mg/L (RTICN05), 10mg/L (RTICN06), 25mg/L (RTICN07), 50mg/L (RTICN08) C as Na <sub>2</sub> CO <sub>3</sub> | 11 x 35ml |
| RC120002    | 1mg C/L Carbon Standard Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 1mg/L (RTOCK09) C TOC as KHP and 1 mg/L (RTICN02) C TIC as Na <sub>2</sub> CO <sub>3</sub>   | 3 x 35ml  |
| RC120003    | 1mg C/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 1mg/L (RTOCS02) C TOC as Sucrose and 1 mg/L (RTICN02) C TIC as Na <sub>2</sub> CO <sub>3</sub>   | 3 x 35ml  |
| RC120004    | 1mg C/L Carbon Standard Set and Verification Set consisting of 1 x RC120002 and 1 x RC120003  | 6 x 35ml  |
| RC120005    | 5mg C/L Carbon Standard Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 5mg/L (RTOCK14) C TOC as KHP and 5 mg/L (RTICN05) C TIC as Na <sub>2</sub> CO <sub>3</sub>   | 3 x 35ml  |
| RC120006    | 5mg C/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 5mg/L (RTOCS04) TOC C as Sucrose and 5 mg/L (RTICN05) TIC C as Na <sub>2</sub> CO <sub>3</sub>   | 3 x 35ml  |
| RC120007    | 5mg C/L Carbon Standard and Verification Set consisting of 1 x RC120005 and 1 x RC120006  | 6 x 35ml  |

| Product No. | Description  | Pack Size |
|-------------|--|-----------|
| RC120008    | 0.5mg/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 0.5mg/L (RTOCS01) TOC C as Sucrose and 0.5mg/L (RTICN01) TIC C as Na <sub>2</sub> CO <sub>3</sub>   | 3 x 35ml  |
| RC120009    | 1mg/L Carbon Standard and 0.5mg/L Carbon Verification Set Consisting of 1 x RC120002 and 1 x RC120008  | 6 x 35ml  |
| RC120010    | Validation Set -- Accuracy Precision (0.5mg), consisting of 1 x Reagent water (RTOCW) and 1 x 0.5mg/L C as sucrose (RTOCS01) in 40ml Vials   | 2 x 35ml  |
| RC120011    | Validation Set -- Linearity, consisting of 1x Reagent water blank (RTOCW) and 1 each of 0.25mg/L (RTOCS08), 0.5mg/L (RTOCS01), 0.75mg /L (RTOCS09),C as Sucrose in 40ml vials  | 4 x 35ml  |
| RC120012    | Validation Set -- Specificity, consisting of 1 x Reagent water (RTOCW), 1 x 0.5mg/L (RTOCM01) C as Methanol, 1 x 0.5mg/L (RTOCN02) C as Nicotinamide and 1 x 0.5mg/L (RTOCK08) C as KHP in 40ml vials17/02/2013 14:18:00   | 4 x 35ml  |
| RC120013    | Validation Set -- Robustness Standards, consisting of 1 x Reagent water (RTOCWa), 1 x Standard Solution (RTOCRsa), 1 x System suitability solution (RTOCRssa) in 40ml vials. All standards in the set acidified  | 3 x 35ml  |
| RC120014    | Validation Set -- Complete , consisting of 1xRC120010, 1xRC120011, RC120012 and RC120013   | 13 x 35ml |
| RC120015    | 10mg C/L Carbon Standard Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 10mg/L (RTOCK11) TOC C as KHP and 10mg/L (RTICN06) TIC C as Na <sub>2</sub> CO <sub>3</sub>  | 3 x 35ml  |
| RC120016    | Multipoint calibration set for Sievers 5310C, consisting of 1 x calibration blank (RTOCW), 1 each of 0.25mg/L (RTOCK15), 1mg/L (RTOCK09), 5mg/L (RTOCK14), 25mg/L (RTOCK12), 50mg/L (RTOCK13) C as KHP TOC standards and 1 each of 1mg/L (RTICN02), 5mg/L (RTICN05), 10mg/L (RTICN06), 25mg/L (RTICN07), 50mg/L (RTICN08) C as Na <sub>2</sub> CO <sub>3</sub> TIC standards | 11 x 35ml |
| RC120017    | 2mg C/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 2mg/L (RTOCS03) TOC C as Sucrose and 2mg/L (RTICN04) TIC C as Na <sub>2</sub> CO <sub>3</sub>   | 3 x 35ml  |
| RC120018    | 10mg C/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 10mg/L (RTOCS05) TOC C as Sucrose and 10mg/L (RTICN06) TIC C as Na <sub>2</sub> CO <sub>3</sub>  | 3 x 35ml  |
| RC120019    | 3 point Carbon Verification Set consisting of 1 x 40ml Vial each of 1mg/L (RTOCK09), 5mg/L (RTOCK14), 10mg/L (RTOCK11) C as KHP  | 3 x 35ml  |

## Sample Certificate for Reagecon's Premium Range TOC Standard



**Reagecon**

**CERTIFICATE OF GRAVIMETRIC PREPARATION**

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>PRODUCT:</b>             | TOC Standard 0.5mg/L C as KHP    |
| <b>PRODUCT NO:</b>          | RTOCK08                          |
| <b>LOT NO:</b>              | RTOCK0813B1                      |
| <b>DATE OF MANUFACTURE:</b> | 27/02/2013                       |
| <b>EXPIRY DATE:</b>         | 27/02/2015                       |
| <b>SPECIFICATION:</b>       | 0.000100 – 0.000112 % wt/wt KHP  |
| <b>CERTIFIED VALUE:</b>     | 0.0000104 +/- 0.01522% wt/wt KHP |

Equivalent TOC value is 0.492ppm.

The uncertainty reported above was calculated in compliance with the Guide to the Expression of Uncertainty in Measurement (GUM), JCGM 100:2008 and includes uncertainty contributions due to the purity assessment of the raw material, the gravimetric preparation of the solution, the homogeneity of the filled batch.

**TRACEABILITY IN THE PRODUCTION OF THIS STANDARD:**

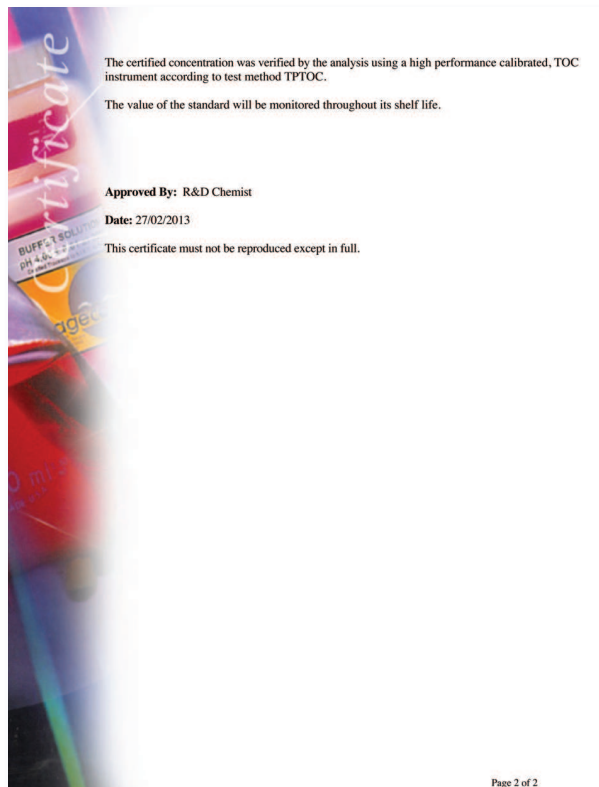
This product was manufactured and certified in accordance with the requirements of ISO Guide 34 and ISO Guide 35. It was prepared gravimetrically on a weight/weight basis. Both solute and solvent were weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (265C). The resulting Balance Certificate of Calibration was issued in accordance with the requirements of ISO/IEC 17025. The balance was calibrated under monitored environmental conditions and atmospheric pressure. Tests were performed for capacity, readability, repeatability, eccentricity and linearity. The equipment used is detailed as follows.

**BALANCE ID No.:** RRD015  
**CALIBRATION DATE OF BALANCE:** 28<sup>th</sup> September 2012

**CALIBRATION AUTHORITY OF BALANCES:** Reagecon Diagnostics Ltd, ISO17025  
Accreditation No. 265C

**WEIGHTS No.:** RTS 12 & RTS 13  
**CALIBRATION DATE OF WEIGHTS:** 19<sup>th</sup> May 2012  
**CALIBRATION AUTHORITY OF WEIGHTS:** European Instruments (UKAS No. 0438)

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The certified concentration was verified by the analysis using a high performance calibrated, TOC instrument according to test method TPTOC.

The value of the standard will be monitored throughout its shelf life.

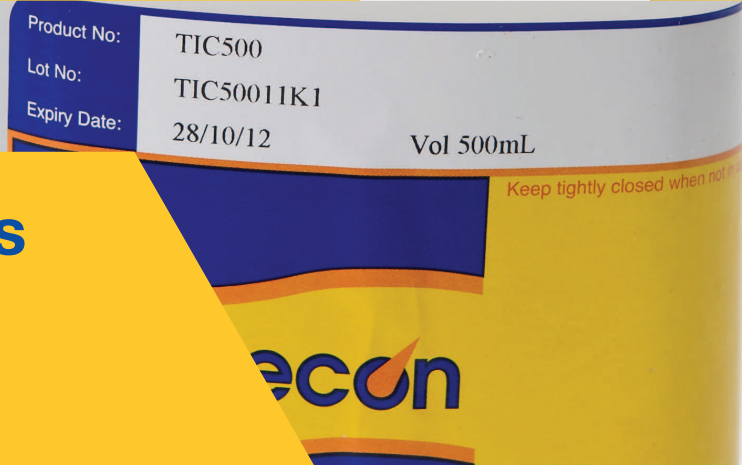
**Approved By:** R&D Chemist  
**Date:** 27/02/2013

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# TOC/TIC Standards - Quality Range



## Summary of Features & Benefits:

### Commercial Benefits

- Can be used with any brand of TOC analyser
- Extensive range (5ppm - 4000ppm)
- Extended shelf life
- Ready to Use
- The Quality Range represents excellent value for money
- Other TOC/TIC values can be quoted for upon request
- Mixed TOC and TIC standards available as a normal part of the range

### Technical Benefits

- Consistency of product - Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online
- Presented in special 500ml twin neck bottles (all values above 50ppm) - prevents product contamination, evaporation or interference
- Twin neck bottles come with a special dosing device
- All values below 50ppm are packed in specially cleaned and leached 500ml amber glass bottles

## TOC/TIC Standards

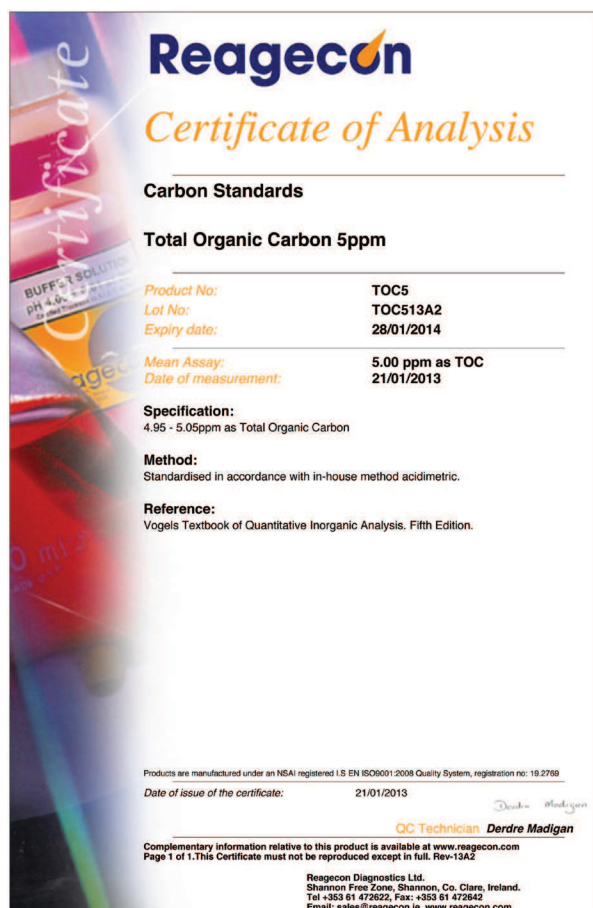
| Product No. | Description                           | Pack Size |
|-------------|---------------------------------------|-----------|
| TOC5        | Total Organic Carbon Standard 5ppm    | 500ml     |
| TOC10       | Total Organic Carbon Standard 10ppm   | 500ml     |
| TOC20       | Total Organic Carbon Standard 20ppm   | 500ml     |
| TOC50       | Total Organic Carbon Standard 50ppm   | 500ml     |
| TOC100      | Total Organic Carbon Standard 100ppm  | 500ml     |
| TOC250      | Total Organic Carbon Standard 250ppm  | 500ml     |
| TOC500      | Total Organic Carbon Standard 500ppm  | 500ml     |
| TOC1M       | Total Organic Carbon Standard 1000ppm | 500ml     |
| TOC2M       | Total Organic Carbon Standard 2000ppm | 500ml     |

## TIC Standards

| Product No. | Description                      | Pack Size |
|-------------|----------------------------------|-----------|
| TIC5        | Total Inorganic Standard 5ppm    | 500ml     |
| TIC50       | Total Inorganic Standard 50ppm   | 500ml     |
| TIC100      | Total Inorganic Standard 100ppm  | 500ml     |
| TIC500      | Total Inorganic Standard 500ppm  | 500ml     |
| TIC1M       | Total Inorganic Standard 1000ppm | 500ml     |
| TIC2M       | Total Inorganic Standard 2000ppm | 500ml     |

## Mixed TOC/TIC Standards

| Product No. | Description   | Pack Size |
|-------------|---|-----------|
| TOIC10      | Mixed Standard (equal concentrations of organic & inorganic Carbon) 10ppm   | 500ml     |
| TOIC100     | Mixed Standard (equal concentrations of organic & inorganic Carbon) 100ppm  | 500ml     |
| TOIC1M      | Mixed Standard (equal concentrations of organic & inorganic Carbon) 1000ppm | 500ml     |
| TOIC2M      | Mixed Standard (equal concentrations of organic & inorganic Carbon) 2000ppm | 500ml     |
| TOIC4M      | Mixed Standard (equal concentrations of organic & inorganic Carbon) 4000ppm | 500ml     |



**Reagecon**  
**Certificate of Analysis**

**Carbon Standards**

**Total Organic Carbon 5ppm**

Product No: **TOC5**  
 Lot No: **TOC513A2**  
 Expiry date: **28/01/2014**

Mean Assay: **5.00 ppm as TOC**  
 Date of measurement: **21/01/2013**

**Specification:**  
 4.95 - 5.05ppm as Total Organic Carbon

**Method:**  
 Standardised in accordance with in-house method acidimetric.

**Reference:**  
 Vogels Textbook of Quantitative Inorganic Analysis, Fifth Edition.

Products are manufactured under an NSAI registered I S EN ISO9001:2008 Quality System, registration no: 18 2789

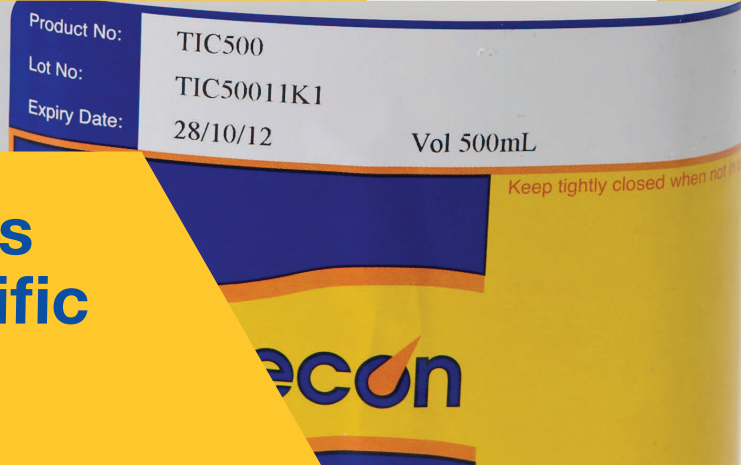
Date of issue of the certificate: 21/01/2013

QC Technician **Derrida Madigan**

Complementary information relative to this product is available at [www.reagecon.com](http://www.reagecon.com)  
 Page 1 of 1. This Certificate must not be reproduced except in full. Rev-13A2

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# TOC/TIC Standards - Instrument Specific



Reagecon's Premium Range of TOC/TIC Standards as detailed in the second last chapter are an independent range of standards suitable for use on the Sievers® Range of Laboratory TOC/TIC analysers (35ml vials). The Quality Range as detailed in the previous chapter is suitable for other TOC/TIC analysers available in the market place.

Reagecon is pleased to announce that at the beginning of 2014, we will be launching an extensive range of new independent standards, suitable for use on other leading brands of TOC/TIC analysers for laboratory and online applications. Although the range is not totally exhaustive it does include independent standards for Brands listed alphabetically below such as;

- Analytik Jena®
- Anatel®
- OI Analytical®
- Shimadzu®
- Sievers®
- Teledyne Tekmar®
- Thornton®

These standards are developed, validated, manufactured and tested to an extremely high specification. We believe that they offer real choice in the market place and represent exceptionally good value.

| Instrument     | Product No. | Description  | Pack size |
|----------------|-------------|--|-----------|
| Analytik Jena® | ISTOC1103   | System Suitability Set to USP ; Reagent Water, 0.5 mg/L C Sucrose and 0.5 mg/L C 1,4-Benzoquinone. 40ml vials                  | Kit       |
| Analytik Jena® | ISTOC1104   | System Suitability Set to JP; Reagent Water and 0.5 mg/L C from Sodium Dodecylbenzene Sulfonate. 40ml vials                    | Kit       |
| Analytik Jena® | ISTOC1105   | USP Reagent Water  | 40ml      |
| Analytik Jena® | ISTOC1106   | JP Reagent water   | 40ml      |
| Analytik Jena® | ISTOC1107   | 0.5 mg/L C from USP Sucrose  | 40ml      |
| Analytik Jena® | ISTOC1108   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 40ml      |
| Analytik Jena® | ISTOC1113   | C from USP 1,4-Benzoquinone. 125ml Bottle  | Kit       |
| Analytik Jena® | ISTOC1115   | USP Reagent Water  | 125ml     |
| Analytik Jena® | ISTOC1116   | 0.5 mg/L C from USP Sucrose  | 125ml     |
| Analytik Jena® | ISTOC1117   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 125ml     |
| Analytik Jena® | ISTOC1124   | 0.5 mg/L C from Sodium Dodecylbenzene Sulfonate  | 40ml      |
| Analytik Jena® | ISTOC1128   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 250ml Bottles | Kit       |
| Analytik Jena® | ISTOC1129   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 250ml Bottles           | Kit       |
| Analytik Jena® | ISTOC1130   | USP Reagent Water  | 250ml     |
| Analytik Jena® | ISTOC1131   | 0.5 mg/L C from USP Sucrose  | 250ml     |
| Analytik Jena® | ISTOC1132   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 250ml     |
| Analytik Jena® | ISTOC1136   | USP Reagent Water  | 500ml     |
| Analytik Jena® | ISTOC1137   | 0.5 mg/L C from USP Sucrose  | 500ml     |
| Analytik Jena® | ISTOC1138   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 500ml     |
| Analytik Jena® | ISTOC1139   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 500ml Bottles | Kit       |
| Analytik Jena® | ISTOC1150   | USP Reagent Water  | 1L        |
| Analytik Jena® | ISTOC1151   | 0.5 mg/L C from USP Sucrose  | 1L        |
| Analytik Jena® | ISTOC1152   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 1L        |
| Analytik Jena® | ISTOC1153   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 1L Bottles    | Kit       |
| Anatel® A-1000 | ISTOC1030   | Calibration Blank  | 1L        |



| Instrument      | Product No. | Description  | Pack size |
|-----------------|-------------|--|-----------|
| Anatel ® A-1000 | ISTOC1034   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 1L        |
| Anatel ® A-1000 | ISTOC1038   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 1L        |
| Anatel ® A-1000 | ISTOC1046   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 1L        |
| Anatel ® A-1000 | ISTOC1114   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 125ml Bottles                     | Kit       |
| Anatel ® A-1000 | ISTOC1165   | System Suitability Set ; Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 1L bottles                           | Kit       |
| Anatel ® A643   | ISTOC1016   | 100µS/cm Conductivity Standard for Calibration   | 60ml      |
| Anatel ® A643   | ISTOC1021   | Individual Calibration Blank   | 125ml     |
| Anatel ® A643   | ISTOC1025   | Calibration Blank  | 250ml     |
| Anatel ® A643   | ISTOC1029   | Calibration Blank  | 500ml     |
| Anatel ® A643   | ISTOC1031   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 125ml     |
| Anatel ® A643   | ISTOC1032   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 250ml     |
| Anatel ® A643   | ISTOC1033   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 500ml     |
| Anatel ® A643   | ISTOC1035   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 125ml     |
| Anatel ® A643   | ISTOC1036   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 250ml     |
| Anatel ® A643   | ISTOC1037   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 500ml     |
| Anatel ® A643   | ISTOC1039   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 125ml     |
| Anatel ® A643   | ISTOC1040   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 250ml     |
| Anatel ® A643   | ISTOC1045   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 500ml     |
| Anatel ® A643   | ISTOC1079   | Calibration Blank  | 60ml      |
| Anatel ® A643   | ISTOC1080   | System Suitability Set; 2 x Reagent Water, 0.5 mg/L C USP Sucrose, 0.5 mg/L C USP 1,4-Benzoquinone and 0.25 mg/L C NIST Sucrose as check | 60ml      |
| Anatel ® A643   | ISTOC1081   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 60ml      |
| Anatel ® A643   | ISTOC1082   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 60ml      |
| Anatel ® A643   | ISTOC1083   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 60ml      |
| Anatel ® A643   | ISTOC1122   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 125ml Bottles                     | Kit       |
| Anatel ® A643   | ISTOC1134   | USP System Suitability Set, 2 x Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 250ml Bottles                 | Kit       |
| Anatel ® A643   | ISTOC1147   | USP System Suitability Set, 500ml Bottles  | 500ml     |
| Anatel ® A643   | ISTOC1158   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 1L bottles                        | Kit       |
| Anatel ® A643   | ISTOC1166   | Validation Set; 2 x Blanks, 0.25 mg/L C NIST Sucrose, 0.5 mg/L C NIST Sucrose and 0.75 mg/L C NIST Sucrose. 60ml Bottles                 | Kit       |
| Anatel ® A643   | ISTOC1169   | Validation Kit, 2 x Blanks and 0.5 mg/L C NIST Sucrose. 60ml Bottles   | Kit       |
| Anatel ® Anatoc | ISTOC1019   | Individual Calibration Blank   | 125ml     |
| Anatel ® Anatoc | ISTOC1023   | Individual Calibration Blank   | 250ml     |
| Anatel ® Anatoc | ISTOC1027   | Calibration Blank  | 500ml     |
| Anatel ® Anatoc | ISTOC1056   | Calibration Standard 0.25 mg/L C NIST KHP  | 125ml     |
| Anatel ® Anatoc | ISTOC1057   | Calibration Standard 0.25 mg/L C NIST KHP  | 250ml     |
| Anatel ® Anatoc | ISTOC1058   | Calibration Standard 0.25 mg/L C NIST KHP  | 500ml     |
| Anatel ® Anatoc | ISTOC1060   | Calibration Standard 0.5 mg/L C NIST KHP   | 125ml     |
| Anatel ® Anatoc | ISTOC1062   | Calibration Standard 0.5 mg/L C NIST KHP   | 250ml     |
| Anatel ® Anatoc | ISTOC1063   | Calibration Standard 0.5 mg/L C NIST KHP   | 500ml     |
| Anatel ® Anatoc | ISTOC1066   | Calibration Standard 1mg/L NIST KHP  | 125ml     |
| Anatel ® Anatoc | ISTOC1068   | Calibration Standard 1mg/L NIST KHP  | 250ml     |
| Anatel ® Anatoc | ISTOC1069   | Calibration Standard 1mg/L NIST KHP  | 500ml     |
| Anatel ® Anatoc | ISTOC1078   | Calibration Standard 1000 mg/L C NIST Sucrose  | 500ml     |
| Anatel ® Anatoc | ISTOC1129   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 250ml Bottles                     | Kit       |
| Anatel ® Anatoc | ISTOC1135   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 500ml Bottles                     | Kit       |
| Anatel ®PAT700  | ISTOC1001   | Calibration Blank  | 60ml      |
| Anatel ®PAT700  | ISTOC1002   | 0.25 mg/L C NIST Sucrose Calibration Standard  | 60ml      |
| Anatel ®PAT700  | ISTOC1003   | 0.5 mg/L C from NIST Sucrose Calibration Standard  | 60ml      |
| Anatel ®PAT700  | ISTOC1004   | 0.75 mg/L C from NIST Sucrose Calibration Standard   | 60ml      |
| Anatel ®PAT700  | ISTOC1005   | USP Reagent Water System Suitability Standard  | 60ml      |
| Anatel ®PAT700  | ISTOC1006   | 0.5 mg/L C from USP Sucrose System Suitability Standard  | 60ml      |
| Anatel ®PAT700  | ISTOC1007   | 0.5 mg/L C from USP 1,4-Benzoquinone System Suitability Standard   | 60ml      |
| Anatel ®PAT700  | ISTOC1008   | USP System Suitability Set Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 500ml Bottles                      | Kit       |
| Anatel ®PAT700  | ISTOC1009   | System Suitability Set to USP; Reagent Water , 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 60ml Bottles                  | Kit       |

| Instrument       | Product No. | Description  | Pack size |
|------------------|-------------|--|-----------|
| Anatel ®PAT700   | ISTOC1010   | Calibration Kit containing a Blank, 0.25 mg/L C NIST Sucrose, 0.5 mg/L C NIST Sucrose and 0.75 mg/L C NIST Sucrose. 60ml Bottles | Kit       |
| Anatel ®PAT700   | ISTOC1015   | 100µS/cm Conductivity Standard for Calibration   | 40ml      |
| Anatel ®PAT700   | ISTOC1171   | Validation Kit, 2 x Blanks and 0.5 mg/L C NIST Sucrose. 60ml Bottles   | Kit       |
| Anatel ®TOC600   | ISTOC1014   | 100µS/cm Conductivity Standard for Calibration   | 125ml     |
| Anatel ®TOC600   | ISTOC1021   | Calibration Blank  | 125ml     |
| Anatel ®TOC600   | ISTOC1025   | Calibration Blank  | 250ml     |
| Anatel ®TOC600   | ISTOC1029   | Calibration Blank  | 500ml     |
| Anatel ®TOC600   | ISTOC1031   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 125ml     |
| Anatel ®TOC600   | ISTOC1032   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 250ml     |
| Anatel ®TOC600   | ISTOC1033   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 500ml     |
| Anatel ®TOC600   | ISTOC1035   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 125ml     |
| Anatel ®TOC600   | ISTOC1036   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 250ml     |
| Anatel ®TOC600   | ISTOC1037   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 500ml     |
| Anatel ®TOC600   | ISTOC1039   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 125ml     |
| Anatel ®TOC600   | ISTOC1040   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 250ml     |
| Anatel ®TOC600   | ISTOC1045   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 500ml     |
| Anatel ®TOC600   | ISTOC1079   | Calibration Blank  | 60ml      |
| Anatel ®TOC600   | ISTOC1081   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 60ml      |
| Anatel ®TOC600   | ISTOC1082   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 60ml      |
| Anatel ®TOC600   | ISTOC1083   | Calibration Standard 0.75 mg/L C NIST Sucrose  | 60ml      |
| Anatel ®TOC600   | ISTOC1123   | USP System Suitability Set; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-benzo-quinone. 125ml Bottles  | Kit       |
| Anatel ®TOC600   | ISTOC1167   | Calibration Kit; Blank, 0.25 mg/L C NIST Sucrose, 0.5 mg/L C NIST Sucrose and 0.75 mg/L C NIST Sucrose. 60ml Bottles             | Kit       |
| Anatel ®TOC600   | ISTOC1170   | Validation Kit, Blank and 0.5 mg/L C NIST Sucrose. 60ml Bottles  | Kit       |
| Comet Analytics® | ISTOC1133   | Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 250ml Bottles                               | Kit       |
| Lighthouse®      | ISTOC1160   | USP System Suitability Kit; 2 x Reagent Water, 0.5 mg/L C USP Sucrose and 0.500 mg/L C USP 1,4-Benzoquinone. 60ml Bottles        | Kit       |
| Lighthouse®      | ISTOC1166   | Validation Set; 2 x Blanks, 0.25 mg/L C NIST Sucrose, 0.5 mg/L C NIST Sucrose and 0.75 mg/L C NIST Sucrose. 60ml Bottles         | Kit       |
| OI Analytical®   | ISTOC1018   | Individual TOC/TIC Calibration Blank   | 40ml      |
| OI Analytical®   | ISTOC1020   | Individual TOC/TIC Calibration Blank   | 125ml     |
| OI Analytical®   | ISTOC1059   | Calibration Standard 0.5 mg/L C NIST KHP   | 40ml      |
| OI Analytical®   | ISTOC1061   | Calibration Standard 0.5 mg/L C NIST KHP   | 125ml     |
| OI Analytical®   | ISTOC1065   | Calibration Standard 1mg/L NIST KHP  | 40ml      |
| OI Analytical®   | ISTOC1067   | Calibration Standard 1mg/L NIST KHP  | 125ml     |
| OI Analytical®   | ISTOC1070   | Calibration Standard 5mg/L NIST KHP  | 40ml      |
| OI Analytical®   | ISTOC1071   | Calibration Standard 5mg/L NIST KHP  | 125ml     |
| OI Analytical®   | ISTOC1072   | Calibration Standard 10mg/L NIST KHP   | 40ml      |
| OI Analytical®   | ISTOC1073   | Calibration Standard 10mg/L NIST KHP   | 125ml     |
| OI Analytical®   | ISTOC1074   | Calibration Standard 25mg/L NIST KHP   | 40ml      |
| OI Analytical®   | ISTOC1075   | Calibration Standard 25mg/L NIST KHP   | 125ml     |
| OI Analytical®   | ISTOC1076   | Calibration Standard 50 mg/L C NIST Sucrose  | 40ml      |
| OI Analytical®   | ISTOC1077   | Calibration Standard 50 mg/L C NIST Sucrose  | 125ml     |
| OI Analytical®   | ISTOC1104   | System Suitability Set to JP; Reagent Water and 0.5 mg/L C from Sodium Dodecylbenzene Sulfonate. 40ml vials                      | Kit       |
| OI Analytical®   | ISTOC1106   | JP Reagent water   | 40ml      |
| OI Analytical®   | ISTOC1110   | USP Reagent Water  | 40ml      |
| OI Analytical®   | ISTOC1111   | 0.5 mg/L C from USP Sucrose  | 40ml      |
| OI Analytical®   | ISTOC1112   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 40ml      |
| OI Analytical®   | ISTOC1118   | USP Reagent Water  | 125ml     |
| OI Analytical®   | ISTOC1120   | 0.5 mg/L C from USP Sucrose  | 125ml     |
| OI Analytical®   | ISTOC1121   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 125ml     |
| OI Analytical®   | ISTOC1126   | 0.5 mg/L C from USP Sucrose  | 250ml     |
| OI Analytical®   | ISTOC1127   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 250ml     |
| OI Analytical®   | ISTOC1140   | USP Reagent Water  | 500ml     |
| OI Analytical®   | ISTOC1141   | 0.5 mg/L C from USP Sucrose  | 500ml     |
| OI Analytical®   | ISTOC1142   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 500ml     |
| OI Analytical®   | ISTOC1154   | USP Reagent Water  | 1L        |
| OI Analytical®   | ISTOC1155   | 0.5 mg/L C from USP Sucrose  | 1L        |
| OI Analytical®   | ISTOC1156   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 1L        |
| Shimadzu®        | ISTOC1018   | Individual TOC/TIC Calibration Blank   | 40ml      |
| Shimadzu®        | ISTOC1041   | Validation Kit for TOC contains a blank and 2 x 100mg/l C NIST KHP. 125ml Bottles  | Kit       |

| Instrument   | Product No. | Description  | Pack size |
|--------------|-------------|--|-----------|
| Shimadzu®    | ISTOC1042   | Validation Kit for TOC contains a blank and 2 x 10mg/L C NIST KHP. 125ml Bottles   | Kit       |
| Shimadzu®    | ISTOC1043   | Validation Kit for Wet Chemistry TOC contains 3 x blanks, 2 x 0.5mg/L C NIST KHP and 1mg/L NIST KHP. 40ml vials  | Kit       |
| Shimadzu®    | ISTOC1044   | Calibration Kit; 2 x blank, 2 x 0.1 mg/L C NIST KHP, 2 x 0.25 mg/L C NIST KHP, 2 x 0.5 mg/L C NIST KHP, 0.75 mg/L C NIST KHP and 1 mg/L C NIST KHP. 40ml vials | Kit       |
| Shimadzu®    | ISTOC1054   | Calibration Standard 0.1 mg/L C NIST KHP   | 40ml      |
| Shimadzu®    | ISTOC1055   | Calibration Standard 0.25 mg/L C NIST KHP  | 40ml      |
| Shimadzu®    | ISTOC1059   | Calibration Standard 0.5 mg/L C NIST KHP   | 40ml      |
| Shimadzu®    | ISTOC1064   | Calibration Standard 0.75 mg/L C NIST KHP  | 40ml      |
| Shimadzu®    | ISTOC1065   | Calibration Standard 1mg/L NIST KHP  | 40ml      |
| Shimadzu®    | ISTOC1070   | Calibration Standard 5mg/L NIST KHP  | 40ml      |
| Shimadzu®    | ISTOC1072   | Calibration Standard 10mg/L NIST KHP   | 40ml      |
| Shimadzu®    | ISTOC1074   | Calibration Standard 25mg/L NIST KHP   | 40ml      |
| Shimadzu®    | ISTOC1076   | Calibration Standard 50 mg/L C NIST Sucrose  | 40ml      |
| Shimadzu®    | ISTOC1104   | System Suitability Set to JP; Reagent Water and 0.5 mg/L C from Sodium Dodecylbenzene Sulfonate. 40ml vials  | Kit       |
| Shimadzu®    | ISTOC1106   | JP Reagent water   | 40ml      |
| Shimadzu®    | ISTOC1110   | USP Reagent Water  | 40ml      |
| Shimadzu®    | ISTOC1111   | 0.5 mg/L C from USP Sucrose  | 40ml      |
| Shimadzu®    | ISTOC1112   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 40ml      |
| Shimadzu®    | ISTOC1118   | USP Reagent Water  | 125ml     |
| Shimadzu®    | ISTOC1120   | 0.5 mg/L C from USP Sucrose  | 125ml     |
| Shimadzu®    | ISTOC1121   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 125ml     |
| Shimadzu®    | ISTOC1125   | USP Reagent Water  | 250ml     |
| Shimadzu®    | ISTOC1126   | 0.5 mg/L C from USP Sucrose  | 250ml     |
| Shimadzu®    | ISTOC1127   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 250ml     |
| Shimadzu®    | ISTOC1128   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 250ml Bottles                                 | Kit       |
| Shimadzu®    | ISTOC1139   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 500ml Bottles                                 | Kit       |
| Shimadzu®    | ISTOC1140   | USP Reagent Water  | 500ml     |
| Shimadzu®    | ISTOC1141   | 0.5 mg/L C from USP Sucrose  | 500ml     |
| Shimadzu®    | ISTOC1142   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 500ml     |
| Shimadzu®    | ISTOC1153   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 1L Bottles                                    | Kit       |
| Shimadzu®    | ISTOC1154   | USP Reagent Water  | 1L        |
| Shimadzu®    | ISTOC1155   | 0.5 mg/L C from USP Sucrose  | 1L        |
| Shimadzu®    | ISTOC1156   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 1L        |
| Sievers® 400 | ISTOC1011   | 25 µS/cm Conductivity Standard for Calibration   | 500ml     |
| Sievers® 400 | ISTOC1012   | 25 µS/cm Conductivity Standard for Calibration   | 250ml     |
| Sievers® 400 | ISTOC1013   | 25 µS/cm Conductivity Standard for Calibration   | 125ml     |
| Sievers® 400 | ISTOC1022   | Calibration Blank  | 125ml     |
| Sievers® 400 | ISTOC1024   | Calibration Blank  | 250ml     |
| Sievers® 400 | ISTOC1028   | Calibration Blank  | 500ml     |
| Sievers® 400 | ISTOC1051   | Calibration Standard 1.25 mg/L C NIST Sucrose  | 125ml     |
| Sievers® 400 | ISTOC1052   | Calibration Standard 1.25 mg/L C NIST Sucrose  | 250ml     |
| Sievers® 400 | ISTOC1053   | Calibration Standard 1.25 mg/L C NIST Sucrose  | 500ml     |
| Sievers® 400 | ISTOC1119   | Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 125ml Bottles   | Kit       |
| Sievers® 400 | ISTOC1133   | Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 250ml Bottles   | Kit       |
| Sievers® 400 | ISTOC1143   | USP System Suitability Reagent; Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 500ml Bottles   | Kit       |
| Sievers® 400 | ISTOC1157   | USP System Suitability; Reagent Water ,0.500 mg/L C from USP Sucrose and 0.500 mg/L C from USP 1,4-Benzoquinone. 1L Bottles                                    | Kit       |
| Sievers® 400 | ISTOC1159   | Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone.1L Bottles   | Kit       |
| Sievers® 800 | ISTOC1114   | USP System Suitability Set, Reagent Water,0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 125ml Bottles  | Kit       |
| Sievers® 800 | ISTOC1115   | USP Reagent Water  | 125ml     |
| Sievers® 800 | ISTOC1116   | 0.5 mg/L C from USP Sucrose  | 125ml     |
| Sievers® 800 | ISTOC1117   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 125ml     |
| Sievers® 800 | ISTOC1130   | USP Reagent Water  | 250ml     |
| Sievers® 800 | ISTOC1131   | 0.5 mg/L C from USP Sucrose  | 250ml     |

| Instrument       | Product No. | Description  | Pack size |
|------------------|-------------|--|-----------|
| Sievers® 800     | ISTOC1132   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 250ml     |
| Sievers® 800     | ISTOC1135   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 500ml Bottles                                 | Kit       |
| Sievers® 800     | ISTOC1136   | USP Reagent Water  | 500ml     |
| Sievers® 800     | ISTOC1137   | 0.5 mg/L C from USP Sucrose  | 500ml     |
| Sievers® 800     | ISTOC1138   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 500ml     |
| Sievers® 800     | ISTOC1149   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 1L Bottles                                    | Kit       |
| Sievers® 800     | ISTOC1150   | USP Reagent Water  | 1L        |
| Sievers® 800     | ISTOC1151   | 0.5 mg/L C from USP Sucrose  | 1L        |
| Sievers® 800     | ISTOC1152   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 1L        |
| Sievers® 900     | ISTOC1114   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 125ml Bottles                                 | Kit       |
| Sievers® 900     | ISTOC1115   | USP Reagent Water  | 125ml     |
| Sievers® 900     | ISTOC1116   | 0.5 mg/L C from USP Sucrose  | 125ml     |
| Sievers® 900     | ISTOC1117   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 125ml     |
| Sievers® 900     | ISTOC1129   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 250ml Bottles                                 | Kit       |
| Sievers® 900     | ISTOC1130   | USP Reagent Water  | 250ml     |
| Sievers® 900     | ISTOC1131   | 0.5 mg/L C from USP Sucrose  | 250ml     |
| Sievers® 900     | ISTOC1132   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 250ml     |
| Sievers® 900     | ISTOC1135   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 500ml Bottles                                 | Kit       |
| Sievers® 900     | ISTOC1136   | USP Reagent Water  | 500ml     |
| Sievers® 900     | ISTOC1137   | 0.5 mg/L C from USP Sucrose  | 500ml     |
| Sievers® 900     | ISTOC1138   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 500ml     |
| Sievers® 900     | ISTOC1149   | USP System Suitability Set, Reagent Water, 0.5 mg/L C USP Sucrose and 0.5 mg/L C USP 1,4-Benzoquinone. 1L Bottles                                    | Kit       |
| Sievers® 900     | ISTOC1150   | USP Reagent Water  | 1L        |
| Sievers® 900     | ISTOC1151   | 0.5 mg/L C from USP Sucrose  | 1L        |
| Sievers® 900     | ISTOC1152   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 1L        |
| Swan Analytical® | ISTOC1026   | Calibration Kit containing a Blank and 1ppm Sucrose Standard. 250ml Bottles  | Kit       |
| Swan Analytical® | ISTOC1133   | Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 250ml Bottles   | Kit       |
| Teledyne Tekmar® | ISTOC1018   | Individual TOC/TIC Calibration Blank   | 40ml      |
| Teledyne Tekmar® | ISTOC1020   | Individual TOC/TIC Calibration Blank   | 125ml     |
| Teledyne Tekmar® | ISTOC1059   | Calibration Standard 0.5 mg/L C NIST KHP   | 40ml      |
| Teledyne Tekmar® | ISTOC1061   | Calibration Standard 0.5 mg/L C NIST KHP   | 125ml     |
| Teledyne Tekmar® | ISTOC1065   | Calibration Standard 1mg/L NIST KHP  | 40ml      |
| Teledyne Tekmar® | ISTOC1067   | Calibration Standard 1mg/L NIST KHP  | 125ml     |
| Teledyne Tekmar® | ISTOC1070   | Calibration Standard 5mg/L NIST KHP  | 40ml      |
| Teledyne Tekmar® | ISTOC1071   | Calibration Standard 5mg/L NIST KHP  | 125ml     |
| Teledyne Tekmar® | ISTOC1072   | Calibration Standard 10mg/L NIST KHP   | 40ml      |
| Teledyne Tekmar® | ISTOC1073   | Calibration Standard 10mg/L NIST KHP   | 125ml     |
| Teledyne Tekmar® | ISTOC1074   | Calibration Standard 25mg/L NIST KHP   | 40ml      |
| Teledyne Tekmar® | ISTOC1075   | Calibration Standard 25mg/L NIST KHP   | 125ml     |
| Teledyne Tekmar® | ISTOC1076   | Calibration Standard 50 mg/L C NIST KHP  | 40ml      |
| Teledyne Tekmar® | ISTOC1077   | Calibration Standard 50 mg/L C NIST KHP  | 125ml     |
| Teledyne Tekmar® | ISTOC1088   | Ultra Low-Level TOC Kit; 3 x TOC Water Blanks, 9 TOC standards (0.05, 0.06, 0.07, 0.08, 0.09, 0.1, 0.25, 0.5 and 1 mg/L C from NIST KHP). 40ml Vials | Kit       |
| Teledyne Tekmar® | ISTOC1104   | System Suitability Set to JP; Reagent Water and 0.5 mg/L C from Sodium Dodecylbenzene Sulfonate. 40ml vials  | Kit       |
| Teledyne Tekmar® | ISTOC1106   | JP Reagent Water   | 40ml      |
| Teledyne Tekmar® | ISTOC1110   | USP Reagent Water  | 40ml      |
| Teledyne Tekmar® | ISTOC1110   | USP Reagent Water  | 40ml      |
| Teledyne Tekmar® | ISTOC1111   | 0.5 mg/L C from USP Sucrose  | 40ml      |
| Teledyne Tekmar® | ISTOC1111   | 0.5 mg/L C from USP Sucrose  | 40ml      |
| Teledyne Tekmar® | ISTOC1112   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 40ml      |
| Teledyne Tekmar® | ISTOC1112   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 40ml      |
| Teledyne Tekmar® | ISTOC1113   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 125ml Bottles                       | Kit       |
| Teledyne Tekmar® | ISTOC1118   | USP Reagent Water  | 125ml     |
| Teledyne Tekmar® | ISTOC1120   | 0.5 mg/L C from USP Sucrose  | 125ml     |
| Teledyne Tekmar® | ISTOC1121   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 125ml     |

| Instrument       | Product No. | Description  | Pack size |
|------------------|-------------|--|-----------|
| Teledyne Tekmar® | ISTOC1125   | USP Reagent Water  | 250ml     |
| Teledyne Tekmar® | ISTOC1126   | 0.5 mg/L C from USP Sucrose  | 250ml     |
| Teledyne Tekmar® | ISTOC1127   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 250ml     |
| Teledyne Tekmar® | ISTOC1128   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 250ml Bottles | Kit       |
| Teledyne Tekmar® | ISTOC1139   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 500ml Bottles | Kit       |
| Teledyne Tekmar® | ISTOC1140   | USP Reagent Water  | 500ml     |
| Teledyne Tekmar® | ISTOC1141   | 0.5 mg/L C from USP Sucrose  | 500ml     |
| Teledyne Tekmar® | ISTOC1142   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 500ml     |
| Teledyne Tekmar® | ISTOC1153   | USP System Suitability Kit; Reagent Water, 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 1L Bottles    | Kit       |
| Teledyne Tekmar® | ISTOC1154   | USP Reagent Water  | 1L        |
| Teledyne Tekmar® | ISTOC1155   | 0.5 mg/L C from USP Sucrose  | 1L        |
| Teledyne Tekmar® | ISTOC1156   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 1L        |
| Thornton® 5000   | ISTOC1047   | Calibration Blank  | 500ml     |
| Thornton® 5000   | ISTOC1048   | Calibration Standard 0.25 mg/L C NIST Sucrose  | 500ml     |
| Thornton® 5000   | ISTOC1049   | Calibration Standard 0.5 mg/L C NIST Sucrose   | 500ml     |
| Thornton® 5000   | ISTOC1050   | Calibration Kit; 2 x calibration blanks, 0.25 mg/L C Sucrose and 0.5mg/L Sucrose. 500ml Bottles                                | Kit       |
| Thornton® 5000   | ISTOC1053   | Calibration Standard 1.25 mg/L C NIST Sucrose  | 500ml     |
| Thornton® 5000   | ISTOC1144   | USP Reagent Water  | 500ml     |
| Thornton® 5000   | ISTOC1145   | 0.5 mg/L C from USP Sucrose  | 500ml     |
| Thornton® 5000   | ISTOC1146   | 0.5 mg/L C from USP 1,4-Benzoquinone   | 500ml     |
| Thornton® 5000   | ISTOC1148   | USP System Suitability Kit; 2 x Blanks , 0.5 mg/L C from USP Sucrose and 0.5 mg/L C from USP 1,4-Benzoquinone. 500ml Bottles   | Kit       |



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