

Variety of volumetric flasks

NEW



Volumetric Flasks C.C.

„conformity certified” in a wide range of variety



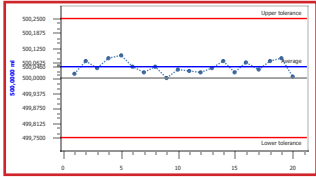

witeg can offer a range of volumetric flasks in a manner no other competitor can offer. Next to our standard products, we also manufacture 50 intermediate sizes. This allows us to provide a solution for all measuring ranges.

Each class A volumetric flask bears the „DE-M“ marking in accordance with the German measurement and calibration regulations, valid from January 2015, with the tolerances of DIN EN ISO 1042 and is also marked CC.

We also produce volumetric flasks and other measuring devices according to USP by the tolerances of ASTM E 288 and usually have all products in stock.

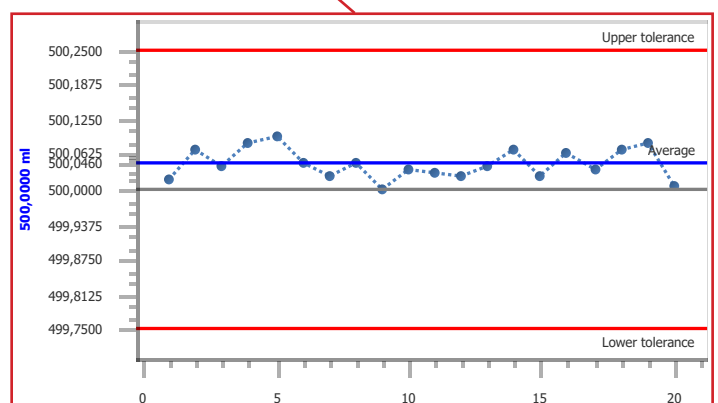
All measuring devices are delivered with a quality certificate which provides information on the accuracy of the entire production lot.



| Certificate of performance | | | |
|--|--|---|-----|
| Article: | 3 662 050 BL | | |
| Vol. flask, 500 ml, NS 19, blue grad., A, conf. cert. |   | | |
| Batch: | 43-20 | Serial: | |
| Measuring Nr. | 41999 | Batch size: | 492 |
| Volume: 500,0000 ml Tolerance: ± 0,2500 ml Average value: 500,0460 ml Deviation: 0,0267 ml Precision (CV): 0,0053 % | |  | |
| <small>These final test values refer to the delivered nominal volume (max. volume), instrument and liquid (dist. water) at equilibrium with ambient temperature (20 °C). The test was effected according to ISO 1042</small> | | | |
| witeg Labortechnik GmbH Am Bildacker 16 97877 Wertheim Germany +49 (0) 9342 / 9301-0 info@witeg.de | Operator: | 7 | |
| | Date: | 30.10.2020 | |
| | Balance: | Sartorius - LA 1200 S | |
|  | | | |

As the only manufacturer so far, we depict our production lot in a graph display with addition of the standard tolerances in order to compare them with the exact accuracy.

In the future, our volumetric flasks will have the additional unique characteristic C.C. based on “conformity certified” but also with the background of it being particularly accurate.



Volumetric Flasks C.C.

„conformity certified” in a wide range of variety



The user can expect a fully transparent, precise measuring device of highest quality “**made in Germany**” with an additional certificate of conformity.

Our overall supply of volumetric flasks should currently receive your entire attention. The customer needs to experience our variety and our special quality level which is underlined by the excellent quality certificate.



Our prices are also more than competitive and the delivery readiness is normally “ex stock”.

Volumetric flasks

Volumetric flask with socket, class A



- made of DURAN® tubing
- tolerance according to DIN EN ISO 1042
- DE-M marked according to the German calibration law
- standard and special sizes available
- inclusive batch certificate

| Capacity | Tolerance | Socket | Order number | | |
|----------|-----------|--------|---------------------------------|--------------------------------|--|
| ml | ml | ST | brown graduated with PE-stopper | blue graduated with PE-stopper | brown graduated with ST-hollow glass stopper |
| 5 | ±0.025 | 7/16 | 3 664 000 | 3 664 000 BL | 3 668 000 |
| 5 | ±0.040 | 10/19 | 3 664 015 | 3 664 015 BL | 3 668 015 |
| 10 | ±0.025 | 7/16 | 3 664 001 | 3 664 001 BL | 3 668 001 |
| 10 | ±0.040 | 10/19 | 3 664 012 | 3 664 012 BL | 3 668 012 |
| 10* | ±0.060 | 14/23 | 3 664 00114 | 3 664 00114 BL | 3 668 00114 |
| 10* | ±0.060 | 12/21 | - | 3 664 01212 BL | - |
| 15* | ±0.040 | 10/19 | 3 664 016 | 3 664 016 BL | 3 668 016 |
| 20* | ±0.040 | 7/16 | 3 664 021 | 3 664 021 BL | 3 668 021 |
| 20 | ±0.040 | 10/19 | 3 664 002 | 3 664 002 BL | 3 668 002 |
| 20 | ±0.060 | 12/21 | 3 664 013 | 3 664 013 BL | 3 668 013 |
| 20* | ±0.060 | 14/23 | 3 664 00214 | 3 664 00214 BL | 3 668 00214 |
| 25 | ±0.040 | 10/19 | 3 664 003 | 3 664 003 BL | 3 668 003 |
| 25 | ±0.060 | 12/21 | 3 664 014 | 3 664 014 BL | 3 668 014 |
| 25* | ±0.060 | 14/23 | 3 664 00314 | 3 664 00314 BL | 3 668 00314 |
| 50 | ±0.060 | 12/21 | 3 664 005 | 3 664 005 BL | 3 668 005 |
| 50 | ±0.100 | 14/23 | 3 664 006 | 3 664 006 BL | 3 668 006 |
| 75* | ±0.060 | 12/21 | 3 664 0075 | - | 3 668 0075 |
| 100 | ±0.100 | 12/21 | 3 664 010 | 3 664 010 BL | 3 668 010 |
| 100 | ±0.100 | 14/23 | 3 664 011 | 3 664 011 BL | 3 668 011 |
| 100* | ±0.150 | 19/26 | 3 664 135 | - | 3 668 135 |
| 150* | ±0.100 | 14/23 | 3 664 150 | - | 3 668 150 |
| 192.2* | ±0.150 | 14/23 | 3 664 192 | 3 664 192 BL | 3 668 192 |
| 200 | ±0.150 | 14/23 | 3 664 020 | 3 664 020 BL | 3 668 020 |
| 250 | ±0.150 | 14/23 | 3 664 025 | 3 664 025 BL | 3 668 025 |
| 300* | ±0.150 | 14/23 | 3 664 030 | - | 3 668 030 |
| 350* | ±0.250 | 19/26 | 3 664 035 | - | 3 668 035 |
| 368.3* | ±0.250 | 19/26 | - | 3 664 368 BL | - |
| 400* | ±0.250 | 19/26 | 3 664 040 | - | 3 668 040 |
| 500* | ±0.250 | 14/23 | 3 664 049 | - | 3 668 049 |
| 500 | ±0.250 | 19/26 | 3 664 050 | 3 664 050 BL | 3 668 050 |
| 600* | ±0.400 | 24/29 | 3 664 060 | - | 3 668 060 |
| 800* | ±0.400 | 24/29 | 3 664 080 | - | 3 668 080 |
| 900* | ±0.400 | 24/29 | 3 664 090 | - | 3 668 090 |
| 1000 | ±0.400 | 24/29 | 3 664 100 | 3 664 100 BL | 3 668 100 |
| 1000 | ±0.600 | 29/32 | 3 664 101 | 3 664 101 BL | 3 668 101 |
| 2000 | ±0.600 | 29/32 | 3 664 200 | 3 664 200 BL | 3 668 200 |
| 3000* | ±0.800 | 29/32 | 3 664 300 | 3 664 300 BL | 3 668 300 |
| 5000* | ±1.200 | 29/32 | 3 664 499 | - | 3 668 499 |
| 5000 | ±1.200 | 34/35 | 3 664 500 | 3 664 500 BL | 3 668 500 |

* special size in addition to the ISO 1042 range, with conformity certificate



NEW

All volumetric flasks with ground joint neck can be ordered with spout. Just add „A“ at the end of the order number.

Example: „3 664 005 A“ or „3 664 100 BL A“



NEW

All brown graduated volumetric flasks with ST-hollow glass stoppers can be ordered with blue graduation.

Just add „BL“ at the end of the order number.

Example: „3 668 014 BL“ or „3 668 500 BL“



Volumetric flasks

Volumetric flask with socket amber-stained, class A



- made of borosilicate glass 3.3
- tolerance according to DIN EN ISO 1042
- DE-M marked according to the German calibration law
- standard and special sizes available
- inclusive batch certificate

| Capacity | Tolerance | Socket | Order number | |
|----------|-----------|--------|---|------------------------------------|
| ml | ml | ST | Trapezoidal volumetric flask white graduated with ST-hollow glass stopper | white graduated with PE-stopper |
| 2 | ±0.040 | 10/19 | 3 670 022 | 3 670 022 P |
| 5 | ±0.025 | 7/16 | 3 670 000 | 3 670 000 P |
| 5 | ±0.040 | 10/19 | 3 670 015 | 3 670 015 P |
| 10 | ±0.025 | 7/16 | 3 670 001 | 3 670 001 P |
| 10 | ±0.040 | 10/19 | 3 670 012 | 3 670 012 P |
| 10* | ±0.060 | 14/23 | 3 670 00114 | 3 670 00114 P |
| 15* | ±0.040 | 10/19 | 3 670 016 | 3 670 016 P |
| 15* | ±0.060 | 12/21 | 3 670 0016 | 3 670 0016 P |
| 20* | ±0.040 | 7/16 | 3 670 013 7 | 3 670 013 7 P |
| 20 | ±0.040 | 10/19 | 3 670 002 | 3 670 002 P |
| 20 | ±0.060 | 12/21 | 3 670 013 | 3 670 013 P |
| 20* | ±0.060 | 14/23 | 3 670 017 | 3 670 017 P |
| 25 | ±0.040 | 10/19 | 3 670 003 | 3 670 003 P |
| 25 | ±0.060 | 12/21 | 3 670 014 | 3 670 014 P |
| 25* | ±0.060 | 14/23 | 3 670 018 | 3 670 018 P |
| 50 | ±0.060 | 12/21 | 3 670 005 | 3 670 005 P |
| 50 | ±0.100 | 14/23 | 3 670 006 | 3 670 006 P |
| 100 | ±0.100 | 12/21 | 3 670 010 | 3 670 010 P |
| 100 | ±0.100 | 14/23 | 3 670 011 | 3 670 011 P |
| 125* | ±0.100 | 14/23 | 3 670 125 | 3 670 125 P |
| 150* | ±0.100 | 14/23 | 3 670 150 | 3 670 150 P |
| 200 | ±0.150 | 14/23 | 3 670 020 | 3 670 020 P |
| 250 | ±0.150 | 14/23 | 3 670 025 | 3 670 025 P |
| 250* | ±0.400 | 29/32 | 3 670 025 29 | 3 670 025 29 P |
| 300* | ±0.150 | 14/23 | 3 670 030 | 3 670 030 P |
| 500* | ±0.250 | 14/23 | 3 670 049 | 3 670 049 P |
| 500 | ±0.250 | 19/26 | 3 670 050 | 3 670 050 P |
| 500* | ±0.400 | 29/32 | 3 670 051 | 3 670 051 P |
| 1000 | ±0.400 | 24/29 | 3 670 100 | 3 670 100 P |
| 1000 | ±0.600 | 29/32 | 3 670 101 | 3 670 101 P |
| 2000 | ±0.600 | 29/32 | 3 670 200 | 3 670 200 P |
| 5000 | ±1.200 | 34/35 | 3 670 500 | 3 670 500 P |

* special size in addition to the ISO 1042 range, with conformity certificate



Volumetric flask with screw cap, class A



- made of DURAN® tubing
- tolerance according to DIN EN ISO 1042
- inclusive batch certificate
- DE-M marked according to the German calibration law

| Capacity | Tolerance | Screw thread | Order number | |
|----------|-----------|--------------|--------------------------------|-----------|
| ml | ml | GL | brown graduated with screw cap | |
| 5 | ±0.040 | 14 | | 3 642 000 |
| 10 | ±0.040 | 14 | | 3 642 001 |
| 20 | ±0.040 | 14 | | 3 642 002 |
| 25 | ±0.040 | 14 | | 3 642 003 |
| 50 | ±0.060 | 18 | | 3 642 005 |
| 100 | ±0.100 | 18 | | 3 642 010 |
| 200 | ±0.150 | 18 | | 3 642 020 |
| 250 | ±0.150 | 18 | | 3 642 025 |
| 500 | ±0.250 | 25 | | 3 642 050 |
| 1000 | ±0.400 | 32 | | 3 642 100 |
| 2000 | ±0.600 | 32 | | 3 642 200 |
| 5000 | ±1.200 | 32 | | 3 642 500 |



Volumetric flasks

Volumetric flask trapezoidal with socket class A

- made of DURAN® tubing
- tolerance according to DIN EN ISO 1042
- DE-M marked according to the German calibration law
- standard and special sizes available
- inclusive batch certificate



| Capacity | Tolerance | Socket | Order number | |
|----------|-----------|--------|---------------------------------|--------------------------------|
| ml | ml | ST | brown graduated with PE-stopper | blue graduated with PE-stopper |
| 1 | ±0.025 | 7/16 | 3 669 000 | 3 669 000 BL |
| 1 | ±0.040 | 10/19 | 3 669 00010 | 3 669 00010 BL |
| 2 | ±0.025 | 7/16 | 3 669 001 | 3 669 001 BL |
| 2* | ±0.025 | 10/19 | 3 669 001 10 | 3 669 001 10 BL |
| 3* | ±0.025 | 7/16 | 3 669 002 | 3 669 002 BL |
| 3* | ±0.040 | 10/19 | - | 3 669 00210 BL |
| 4* | ±0.025 | 7/16 | 3 669 0024 | - |
| 4* | ±0.040 | 10/19 | 3 669 035 | 3 669 035 BL |
| 5 | ±0.025 | 7/19 | 3 669 003 | 3 669 003 BL |
| 5 | ±0.040 | 10/19 | 3 669 015 | 3 669 015 BL |
| 10 | ±0.025 | 7/16 | 3 669 005 | 3 669 005 BL |
| 10 | ±0.040 | 10/19 | 3 669 010 | 3 669 010 BL |
| 20 | ±0.040 | 10/19 | 3 669 020 | 3 669 020 BL |
| 25 | ±0.040 | 10/19 | 3 669 025 | 3 669 025 BL |
| 25 | ±0.060 | 12/21 | 3 669 014 | 3 669 014 BL |
| 50 | ±0.060 | 12/21 | 3 669 050 | 3 669 050 BL |
| 50 | ±0.100 | 14/23 | 3 669 100 | 3 669 100 BL |
| 100* | ±0.100 | 12/21 | 3 669 200 | 3 669 200 BL |
| 100* | ±0.100 | 14/23 | 3 669 500 | 3 669 500 BL |

* special size in addition to the ISO 1042 range, with conformity certificate



Volumetric flask with socket, USP

- made of DURAN® tubing
- tolerance according to ASTM E 288, produced according to DIN EN ISO 1042
- DE-M marked according to the German calibration law
- standard and special sizes available
- inclusive batch certificate



| Capacity | Tolerance | Socket | Order number | | | |
|----------|-----------|--------|--------------------------------|---|---------------------------------|--|
| ml | USP ml | ST | blue graduated with PE-stopper | blue graduated with ST-hollow glass stopper | brown graduated with PE-stopper | brown graduated with ST-hollow glass stopper |
| 5 | ±0.02 | 10/19 | 3 664 015 BL USP | 3 668 015 BL USP | 3 664 015 USP | 3 668 015 USP |
| 10 | ±0.02 | 10/19 | 3 664 012 BL USP | 3 668 012 BL USP | 3 664 012 USP | 3 668 012 USP |
| 20* | ±0.03 | 10/19 | 3 664 002 BL USP | 3 668 002 BL USP | 3 664 002 USP | 3 668 002 USP |
| 25 | ±0.03 | 10/19 | 3 664 003 BL USP | 3 668 003 BL USP | 3 664 003 USP | 3 668 003 USP |
| 25 | ±0.08 | 12/21 | 3 664 014 BL USP | 3 668 014 BL USP | 3 664 014 USP | 3 668 014 USP |
| 50 | ±0.05 | 12/21 | 3 664 005 BL USP | 3 668 005 BL USP | 3 664 005 USP | 3 668 005 USP |
| 100 | ±0.08 | 12/21 | 3 664 010 BL USP | 3 668 010 BL USP | 3 664 010 USP | 3 668 010 USP |
| 200 | ±0.10 | 14/23 | 3 664 020 BL USP | 3 668 020 BL USP | 3 664 020 USP | 3 668 020 USP |
| 250 | ±0.12 | 14/23 | 3 664 025 BL USP | 3 668 025 BL USP | 3 664 025 USP | 3 668 025 USP |
| 500 | ±0.20 | 19/26 | 3 664 050 BL USP | 3 668 050 BL USP | 3 664 050 USP | 3 668 050 USP |
| 1000 | ±0.30 | 24/29 | 3 664 100 BL USP | 3 668 100 BL USP | 3 664 100 USP | 3 668 100 USP |
| 2000 | ±0.50 | 29/32 | 3 664 200 BL USP | 3 668 200 BL USP | 3 664 200 USP | 3 668 200 USP |

* special size in addition to the ASTM E 288 range



Volumetric flasks

Volumetric flask with socket amber stained , USP

- made of amber glass
- tolerance according to ASTM E 288, produced according to DIN EN ISO 1042
- DE-M marked according to the German calibration law
- standard and special sizes available
- inclusive batch certificate



| Capacity | Tolerance | Socket | Order number | | |
|----------|-----------|--------|------------------------------------|---------------------------------|--|
| ml | USP ml | ST | white graduated without PE-stopper | white graduated with PE-stopper | white graduated with ST-hollow glass stopper |
| 5 | ±0.02 | 10/19 | 3 670 015 OS USP | 3 670 015 P USP | 3 670 015 USP |
| 10 | ±0.02 | 10/19 | 3 670 012 OS USP | 3 670 012 P USP | 3 670 012 USP |
| 20* | ±0.03 | 10/19 | 3 670 002 OS USP | 3 670 002 P USP | 3 670 002 USP |
| 25 | ±0.03 | 10/19 | 3 670 003 OS USP | 3 670 003 P USP | 3 670 003 USP |
| 50 | ±0.05 | 12/21 | 3 670 005 OS USP | 3 670 005 P USP | 3 670 005 USP |
| 100 | ±0.08 | 12/21 | 3 670 010 OS USP | 3 670 010 P USP | 3 670 010 USP |
| 200 | ±0.10 | 14/23 | 3 670 020 OS USP | 3 670 020 P USP | 3 670 020 USP |
| 250 | ±0.12 | 14/23 | 3 670 025 OS USP | 3 670 025 P USP | 3 670 025 USP |
| 500 | ±0.20 | 19/26 | 3 670 050 OS USP | 3 670 050 P USP | 3 670 050 USP |
| 1000 | ±0.30 | 24/29 | 3 670 100 OS USP | 3 670 100 P USP | 3 670 100 USP |
| 2000 | ±0.50 | 29/32 | 3 670 200 OS USP | 3 670 200 P USP | 3 670 200 USP |

* special size in addition to the ASTM E 288 range



Volumetric flask for sugar analysis

- blue ring mark and inscription
- borosilicate glass 3.3



| Capacity | Order number |
|----------|--------------|
| ml | |
| 100 | 3 671 100 |
| 200 | 3 671 200 |



Volumetric flask for sugar analysis

- 2x blue ring marks and inscription
- borosilicate glass 3.3



| Capacity | Order number |
|----------|--------------|
| ml | |
| 50/55 | 3 672 050 |
| 100/110 | 3 672 100 |
| 200/220 | 3 672 200 |



Variety of volumetric flasks



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