

SAFETY INSTRUCTIONS

DURAN® Volumetric Flask

		DURAN® VOLUMETRIC FLASK								
		clear					amber			
Accuracy class		Class A					Class B	Class A		
Certificate ¹		Batch certificate	Batch certificate, without certificate of conformity	Individual certificate	Individual certificate, USP <31> conformity	UKAS certificate	–	Batch certificate	Individual certificate	UKAS certificate
ml	NS-Größe									
1	7/16	24 678 01 59	–	24 679 01 51	–	–	–	–	–	–
2	7/16	24 678 02 53	–	24 679 02 54	–	–	–	–	–	–
5	7/16	–	21 678 07 04	–	–	24 675 07 56	–	–	–	24 674 07 55
5W ²	10/19	24 678 09 56	–	24 679 09 57	24 671 09 58	–	24 670 09 57	24 676 09 54	24 677 09 55	–
10	7/16	–	21 678 08 07	–	–	24 675 08 59	–	–	–	24 674 08 58
10W ²	10/19	24 678 10 52	–	24 679 10 53	24 671 10 54	–	24 670 10 53	24 676 10 59	24 677 10 51	–
20	10/19	24 678 12 58	21 678 12 03	24 679 12 59	–	24 675 12 55	24 670 12 59	24 676 12 56	24 677 12 57	24 674 12 54
25	10/19	24 678 14 55	21 678 14 09	24 679 14 56	24 671 14 57	24 675 14 52	24 670 14 56	24 676 14 53	24 677 14 54	24 674 14 51
50	12/21	24 678 17 55	21 678 17 09	24 679 17 56	24 671 17 57	24 675 17 52	24 670 17 56	24 676 17 53	24 677 17 54	24 674 17 51
100	12/21	24 678 24 51	21 678 24 05	24 679 24 52	–	24 675 24 57	–	24 676 24 58	24 677 24 59	24 674 24 56
100W ²	14/23	24 678 25 54	21 678 25 08	24 679 25 55	24 671 25 56	–	24 670 25 55	24 676 25 52	24 677 25 53	–
200	14/23	24 678 32 59	21 678 32 04	24 679 32 51	24 671 32 52	24 675 32 56	24 670 32 51	24 676 32 57	24 677 32 58	24 674 32 55
250	14/23	24 678 36 53	21 678 36 07	24 679 36 54	24 671 36 55	24 675 36 59	24 670 36 54	24 676 36 51	24 677 36 52	24 674 36 58
500	19/26	24 678 44 52	21 678 44 06	24 679 44 53	24 671 44 54	24 675 44 58	24 670 44 53	24 676 44 59	24 677 44 51	24 674 44 57
1000	24/29	24 678 54 57	21 678 54 02	24 679 54 58	24 671 54 59	24 675 54 54	24 670 54 58	24 676 54 55	24 677 54 56	24 674 54 53
1000W ²	29/32	24 678 55 51	–	24 679 55 52	–	–	–	–	–	–
2000	29/32	24 678 63 59	21 678 63 04	24 679 63 51	24 671 63 52	24 675 63 56	24 670 63 51	24 676 63 57	24 677 63 58	24 674 63 55
5000	34/35	24 678 73 55	21 678 73 09	24 679 73 56	–	–	24 670 73 56	–	–	–

¹Batch certificates also available online, ²W = Wide neck



**DURAN
WHEATON
KIMBLE**

Excellence in your hands

ATTENTION: The safety instructions are only valid for original DURAN® products. Therefore, please pay attention to the DURAN® trademark which guarantees proven DURAN® quality and highest safety during application.

Working under pressure and vacuum

- DURAN® volumetric flask is not suitable for use under pressure or in a vacuum.

Temperature resistance

- To ensure a long service life for your volumetric glassware and to exclude possible volume changes, these products should not be heated above +180 °C in drying cabinets or sterilisers.
- The maximum thermal shock resistance is $\Delta T = 100 \text{ K}$.
- Always heat up and cool down volumetric glassware gradually, to avoid thermal stresses and thus any possible breakage of the glass.
- Never heat volumetric glassware on a hot plate.
- Before using, the glass surfaces of the DURAN® volumetric glassware have to be checked for damage such as scratches,

cracks or nicks. Damaged glass products must not be used for safety reasons.

Autoclaving/Sterilisation

- DURAN® volumetric flasks are autoclavable/sterilizable.

Cleaning

- Cleaning should be carried out manually in a soaking bath or automatically in a dishwasher.
- To care properly for laboratory glassware, it should be washed immediately after use (max. 2h) at low temperature (< 70 °C), on a short cycle and with low alkalinity (< pH 12).
- Laboratory apparatus that has come into contact with infectious substances or microorganisms should be treated in accordance with the current guidelines.

Manual cleaning

- The generally recognized method is to wipe and rub the glass with a cloth or sponge soaked in cleaning solution. Abrasive cleaners and abrasive sponges should not be used on laboratory glassware as these can damage the surface of the glass.
- Surface damage can affect the glass properties and limit further use of the product.
- Laboratory glassware should not be soaked for long periods in alkaline media at more than 70 °C since this can have an adverse effect on the printing and may cause glass corrosion. Also to be avoided is severe mechanical action e.g. scraping using a metal spoon.

Automatic laboratory glassware reprocessing

- When cleaning in a dishwasher, load so that there is no glass-to-glass contact (especially the threads) to avoid chips or abrasions.

ID 32038, NO 001/09.2020



DWK Life Sciences GmbH
Hattenbergstraße 10
55122 Mainz
Germany

Phone: +49 6131 - 1445 4131
Fax: +49 6131 - 1445 4016
sales@dwk.com
www.dwk.com

