KAVALIER

DECLARATION OF COMPLIANCE

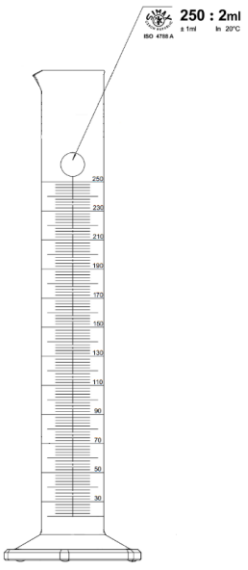
620/25

Issuer´s name/ producer: **KAVALIERGLASS, a.s.**
Issuer´s address/Producer: **Křížová 1018/6, Prague 5**
Production plant: Sklářská 359, 285 06 Sázava, Czech Republic

Object of the declaration: **Cylinders graduated with hexagonal base and pourout, high form, blue graduation, class A**

Catalog Nr.	Item Nr.	Capacity [ml]	Graduation division [±ml]	Accuracy limits [ml]	d [mm]	h [mm]
1634/AM/class A	1632432110718	5	0.1	0,05	12,9	115
	1632432110819	10	0.2	0,10	15,5	135
	1632432110923	25	0.5	0,25	21,3	160
	1632432111125	50	1.0	0,50	26,0	195
	1632432111130	100	1.0	0,50	31,3	240
	1632432111238	250	2.0	1,00	40,7	320
	1632432111343	500	5.0	2,50	53,2	380
	1632432111444	1000	10.0	5,00	67,0	465
	1632432111546	2000	20.0	10,00	85,0	535

Scheme of the glass item



Material specification:		
Cylinder graduated	clear	Borosilicate glass SIMAX®
Print on the body of the cylinder	blue - PANTONE 2935U	in fired-on, chemically resistant ceramic enamel
Purpose of use	Laboratory volumetric glassware Storage and measuring various capacities of the liquids In-calibration (fill-in) at the reference temperature +20 °C. The uniform thickness of the wall eliminates the wedge-error of the reading.	

The object of the certificate described above is in conformity with the requirements of the following standards and regulations:

- **General Product Safety Regulation 2023/988 (GPSR)** of 13 December 2024 Ensuring product safety in the EU

Glass characteristics:

- ISO 3585 Borosilicate glass 3.3 – Properties.
  - Chemical durability (art. 4.1, 4.2, 4.3, 4.4)
  - Physical properties (art. 5.1, 5.2, 5.3, 5.4, 5.5, 5.6)
- ISO 4794 Laboratory glassware — Methods for assessing the chemical resistance of enamels used for colour coding and colour marking
- ISO 4788 Laboratory glassware – Graduated measuring cylinders
  - Maximum permissible errors in capacity fulfill the values specified in Table 1/ISO 4788. These errors represent the maximum permissible error at any point on the scale.

Table 1 – ISO 4788

Nominal capacity ml		5	10	25	50	100	250	500	1000	2000
Max. permissible error ±ml	**Class A**	0,05	0,1	0,25	0,5	0,5	1,0	2,5	5,0	10,0

No heavy metals (lead, cadmium, mercury and hexavalent chromium):

- **Regulation (EC) No. 987/2008 of 8 October 2008 amending Regulation (EC) No. 1907/2006 – REACH as regards Annexes IV and V – glass was exempted from the obligation to register.**

Chemical characteristics (acc. to Regulation No 1907/2006/EC):

Composition:	**CAS No.**	**EINECS No.**	**Component:**	**Concentration /Percent:**
	65997-17-3	266-046-0	Glass, oxide, chemicals	100%

Characteristics of Borosilicate glass SIMAX®

- **Acid resistance Class I.** **ISO 1776**
- **Hydrolytic resistance Class I.** **HGB1 to ISO 719; HGA1 to ISO 720**
- **Alkali resistance Class II.** **ISO 695**
- **Coefficient of mean linear thermal expansion α: 3,3 x10^{-6} K^{-1}** **ISO 7991; (20/300 °C)**
- **Sterilization**

Hot air sterilization, in the oven	up to 140 °C
Steam sterilization, in an autoclave	121 °C/ 20 min/ 2,05 bar
	134 °C/ 10 min/ 3,04 bar

Additional information:

The producer confirms hereby that the characteristics, measures and accuracy of the products listed above are in full conformity with the provisions of the standard.

The producer also declares that the products are safe when used in usual and proper way.

The producer has installed the Quality Assurance System according to ISO 9001 and thus guarantees that all products delivered to the market are in full conformity with the technical documentation and with all fundamental requirements to such products.
Certificate No. 3258 100 23 52 0132 issued by TÜV CERT, Certification Body at TÜV NORD CERT GmbH.

The certificate is issued for the customer: **AUXILAB S.L.**

Sázava, 08. 10. 2025
Place and date of issue

Ing. Kristýna Machová
Project Quality Engineer

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