



KAVALIER

PRODUCT DATA SHEET

110/23

Issuer's name/ producer: **KAVALIERGLASS, a.s.**

Issuer's address/Producer: **Křížová 1018/6, Prague 5**

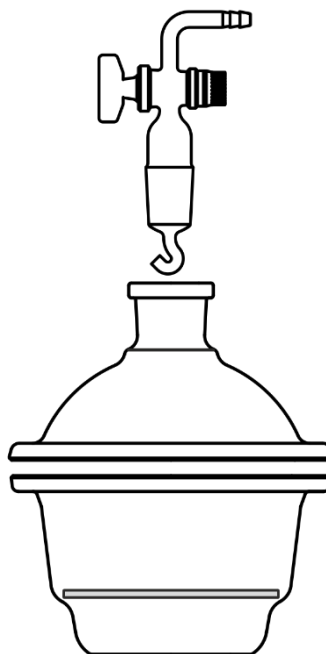
Production plant: **Sklářská 359, 285 06 Sázava, Czech Republic**

Object of the declaration:

DESICCATOR with tubes (outlet), stopcock SJ 24/29 and porcelain plate

Product IDN & Description	Catalog No.	Nominal size [mm]	d ₁ [mm]	d ₂ [mm]
263 D/K clear	1632415272100	100	151	90
	1632415272150	150	210	140
	1632415272200	200	269	190
	1632415272250	250	329	240
	1632415272300	300	392	290

Scheme of the glass item



Material specification:

Cover, bowl	clear	Borosilicate glass SIMAX®
Tubes (outlet)		
Stopcock SJ 24/29		
Desiccator plate	white	Porcelain, hole ø 5 mm
Purpose of use	laboratory glassware enables usage of vacuum processes desiccation of moist substances, storage of materials sensitive to air humidity	

Safety handling:

Apply grease to internal edges of flanges
Press lid on jar and rotate at least 360° to ensure airtight seal
Rim in lower portion of bowl holds sample plate over desiccant

Warning: Do not heat or subject to pressure. Rated 1- atmosphere vacuum

The object of the certificate described above is in conformity with the requirements of the following standards and regulations:**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 13130 Laboratory glassware – Desiccators
 - Type 1 Vacuum desiccator

Compressive strength

Vacuum desiccators shall withstand an external pressure of 2bar/ 60 sec or an external pressure of 3bar/ 10 sec.

Thermal shock resistance

Vacuum desiccator must be subject to a test of 80 °C in acc. to ISO 718.

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. (to ISO 1776)
- **Hydrolytic resistance** Class I. (HGB1 to ISO 719; HGA1 to ISO 720)
- **Alkali resistance** Class II. (to ISO 695)
- **Coefficient of mean linear thermal expansion α : $3,3 \times 10^{-6} \text{ K}^{-1}$** (to ISO 7991; 20/300 °C)

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. 44 100 940602 issued by TÜV CERT, Certification Body at TÜV NORD CERT GmbH.

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

Sázava, 07. 03. 2023
Place and date of issue

Ing. Kristýna Machová
Project Quality Engineer

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