



**KAVALIER**

# PRODUCT DATA SHEET

Issuer's name/producer:  
Issuer's address/Producer:

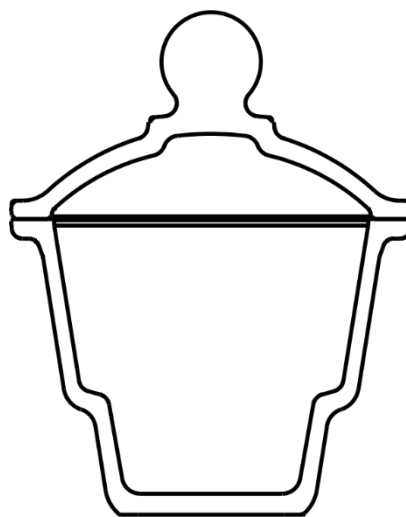
**KAVALIERRGLASS, a.s.**  
Křížová 1018/6, Prague 5  
office: Sklářská 359, 285 06 Sázava, Czech Republic

Object of the declaration:

## DESICCATOR

<u>Product IDN &amp; Description</u>	<u>Catalog No.</u>	<u>Nominal size [mm]</u>
280K	1632415280103	100
	1632415280153	150
	1632415280203	200
	1632415280253	250
	1632415280303	300

### Scheme of the glass item



#### Material specification:

<b>Cover, bowl</b>	clear	Borosilicate glass SIMAX®
<b>Purpose of use</b>	laboratory glassware enables usage of vacuum processes desiccation of moist substances, storage of materials sensitive to air humidity	



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# DECLARATION OF COMPLIANCE

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Issuer's name: **KAVALIERRGLASS, a.s.**  
Issuer's address: **Křížová 1018/6, Prague 5**  
**office: Sklářská 359, 285 06 Sázava, Czech Republic**

Object of the declaration: **Desiccator**

Material: **Borosilicate glass SIMAX®, glass with high thermal and chemical resistance**

Country of origin: **Czech Republic**

Purpose of use: **Laboratory glassware**  
**For desiccation of moist substances, or for storage of materials sensitive to air humidity**  
**Enables usage of vacuum processes**

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  $\alpha$ :  $3,3 \times 10^{-6} \text{ K}^{-1}$  (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. 04 100 940602 issued by TÜV CERT, Certification Body at TÜV NORD CERT GmbH.

The certificate is issued for the customer: -

Sázava, 29. 01. 2021  
Place and date of issue

Ing. Kristýna Machová  
Project Quality Engineer

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