DECLARATION OF COMPLIANCE

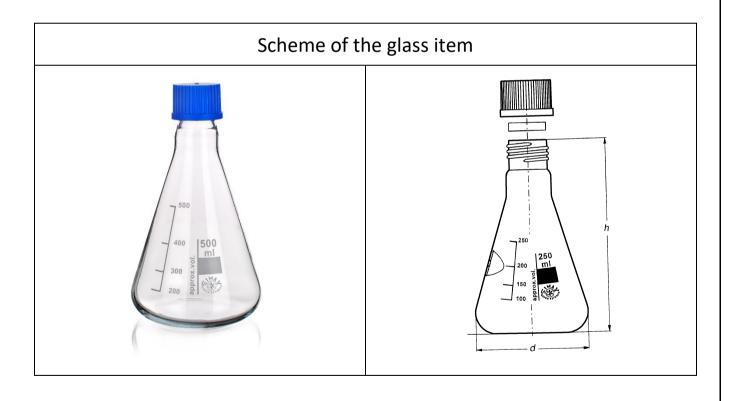
Issuer's name/ producer: KAVALIERGLASS, a.s. Issuer's address/Producer: Křížová 1018/6, Prague 5

office: Sklářská 359, 285 06 Sázava, Czech Republic

Object of the declaration: FLASK ERLENMEYER, with GL threads and

screw cap

Catalogue Nr.	Product IDN	Capacity/ ml	<u>d [mm]</u>	<u>h [mm]</u>	GL thread
8023 C	1632426731100	100	64	100	GL 25
	1632411119050	250	85	140	GL 32
	1632411119100	500	105	175	GL 32
	1632411119200	1000	131	215	GL 32



Material specification:					
Erlenmeyer Flask	clear	Borosilicate glass SIMAX®			
Screw cap	blue	PP MOSTEN GB107			
Sealing liner	grey	silicone + one-sided layer of PTFE			
Print	white	in fired-on, chemically resistant ceramic enamel			
Purpose of use Substance storage, preparation of medias and cultivation, suitable operations		e, preparation of medias and cultivation, suitable for thermic			

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)
- Glass containers for pharmaceutical use
 - Eur. Ph 10th Edition -3.2.1 Glass Type I.
- <u>ČSN 70 4030 Galss boiling flasks</u> <u>General technical requirements</u>

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.

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)

• Pharmaceutical use

European Pharmacopoeia (EP) US Pharmacopoeia (USP) Japanese Pharmacopoeia (JP)

Glass Eur. Ph.10th – 3.2.1 USP <660> JP16

Supporting data:

TEST / European Pharmacopoeia 10, Art. 3.2.1	UNIT	LIMIT	RESULT
Hydrolytic resistance - inner surfaces, test A	ml 0,01 mol/l HCl/100ml of leachate	max 0,40	0,04
Hydrolytic resistance - glass grains, test B	mol 0,02/l HCl/g	max 0,1	0,038
Arsenic content	μg As/g	max 0,1	< 0,001

Screw Cap with a Pouring Ring

Eur. Ph.9 - 3.1.3; based on the statement of the supplier

Chemical characteristics of borosilicate glass (approximate values)

Component	Content (percentage by weight)
SiO ₂	80,3%
B ₂ O ₃	13,0%
Al ₂ O ₃	2,4%
Na ₂ O + K ₂ O	4,3%

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, 08. 06. 2021 Place and date of issue Ing. Kristýna Machová
Project Quality Engineer

