

To: GHA Glashandel Alpnach AG
Industriestrasse 12, CH-6055 Alpnach

Declaration of Conformity

We,

Bormioli Luigi S.p.A.
Viale Europa, 72/A
43122 Parma - Italy

declare under our sole responsibility that, based on our knowledge and on the information provided by our suppliers, the articles

GLASS CONTAINERS AND TABLEWARE ITEMS
BRANDED BORMIOLI ROCCO AND BORMIOLI LUIGI



Ref.N.: [Ref.]

Composed of:

- | | |
|--|---|
| ☒ Soda lime glass* | ☒ Crystal Glass |
| ☒ Borosilicate glass | ☒ Opal Glass |

supplied by our Company, **comply with the current standards concerning materials and articles in contact with foodstuffs:**

European Regulation:

- Reg. (CE) N., 1935/2004
- Reg. (CE) N. 2023/2006
- Dir. 84/500/CE, 2005/31/CE and following amendments

Italian Regulation:

- DPR 777/82 and following updates and amendments
- DM 21/03/1973 and following updates and amendments

French Regulation:

- French décret 2007-766
- Law 2012-1442
- DGCCRF 2004_64 dated 01/05/2016 (French Regulation on glass)

Spanish Regulation:

- Real Decreto 891/2006, de 21 de julio (transposición de la Directiva 84/500/CEE)

USA Regulation (FDA requirements):

- CPG 7117.07
- CPG 7117.06

Chinese Regulation:

- GB 4806.1-2016_EN
- GB 4806.5-2016_EN

* In some cases, soda lime glass can be replaced by crystal glass (higher quality) according to chemical compositions shown at page 2. Traceability of production batches is always guaranteed.

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We also declare that:

- Final destination/ end use: ☒ Domestic Use ☐ Food Industry Use

Bormioli Rocco branded items (Soda lime glass, Crystal glass, Opal glass)						
 Type	Thermal Shock [ΔT]	Oven	Microwave	Dishwasher	Electric Plate	Other
Crystal and Sodalime annealed glass (clear, full mass coloured and decorated)	42°C	NO	max 70°C ΔT = 42°C	YES	NO	Wash before use
Spun / pressed tempered soda lime glass (clear, full mass coloured and decorated)	110°C	If indicated on the packaging	max 110°C	YES	NO	Wash before use
Spun / pressed tempered opal glass (clear and decorate, sprayed mugs)	110°C	If indicated on the packaging	max 110°C	YES	NO	Wash before use
Blown tempered glass (clear and full mass coloured)	100°C	NO	max 100°C	YES	NO	Wash before use
Eco friendly lacquered glass	42°C	NO	NO	If indicated on the packaging	NO	Wash before use
Bormioli Luigi branded items (Soda lime glass, Crystal glass, Borosilicate glass (thermic glass))						
 Type	Thermal Shock [ΔT]	Oven	Microwave	Dishwasher	Electric Plate	Other
Crystal and Sodalime annealed glass (clear, full mass coloured)	42°C	NO	max 70°C ΔT = 42°C	YES	NO	Wash before use
Borosilicate glass	> 50°C	NO	ΔT = 50°C	YES	NO	Wash before use

- Glass Composition

Our food grade glass composition*, expressed as oxide percentage, is the following:

Bormioli Rocco					
Soda – Lime Glass		Crystal Glass		Opal Glass	
Oxide	%	Oxide	%	Oxide	%
SiO ₂	69 – 73	SiO ₂	67 – 71	SiO ₂	70 – 73
Al ₂ O ₃	1 – 3	Al ₂ O ₃	1 – 3	Al ₂ O ₃	6 – 8
CaO + MgO	9 – 13	CaO + MgO	7 – 10	CaO + MgO	2 – 4
Na ₂ O + K ₂ O	13 – 15	Na ₂ O + K ₂ O	13 – 15	Na ₂ O + K ₂ O	11 – 14
BaO	0 – 2	BaO	5 – 9	BaO	0 – 3
				F	4 – 6
Bormioli Luigi					
Soda – Lime Glass		Crystal Glass		Borosilicate Glass (Thermic glass)	
Oxide	%	Oxide	%	Oxide	%
SiO ₂	69 – 73	SiO ₂	68 – 71	SiO ₂	75 – 80
Al ₂ O ₃	1 – 3	Al ₂ O ₃	1 – 3	Al ₂ O ₃	1-3
CaO + MgO	10 – 13	CaO + MgO	7 – 10	B ₂ O ₃	8 - 12
Na ₂ O + K ₂ O	12 – 15	Na ₂ O	8 – 13	Na ₂ O	3 – 6
BaO	0 – 1	BaO+K ₂ O+ZnO	> 10		
ZnO	0-3				

*the composition can be modified also outside the indicated range for technical reason

Above mentioned containers are suitable to come into contact with all types of foodstuffs.

Glass containers we supply comply with what foreseen for glass items belonging to Italian DM 21/03/1973 category A (suitable to the contact with all food types under all temperature conditions up to and including sterilization), Annex II Sect. 5, D.M 21/03/1973 and art. 2 section 1, a) b) c) D.Lgs. n° 108/92.

Leaching of Lead (Pb), Cadmium (Cd), Aluminium (Al), Cobalt (Co), Arsenic (As) from the food contact surface of above-mentioned articles comply with limits and acceptance criteria described in ISO 7086 -1,2, ISO 6486 – 1,2 and in French Reg. DGCCRF 2004-64 (with following amendments such as Fiche MCDA n°2 V01 – 01/05/2016). The material complies with the global and specific migration limits according to the above-mentioned regulation at the following testing conditions:

Simulants	Time and Temperature
Distilled water	30 min at 120°C
Acetic acid 4% (p/v) in Water	24h at 22°C

Glass containers and tableware that we supply, do not contain any of the dangerous substances listed into Reg. (CE) N. 1907/2006 and following amendments. Heavy metals are not intentionally added in the flint glass formulation.

- Full Mass Coloured Glass (when applicable)

Full mass coloured glass is obtained by the addition of one or more metal oxides (list not exhaustive): Manganese (Mn), Nickel (Ni), Cobalt (Co), Iron (Fe), Copper (Cu), Selenium (Se).

- Sprayed items (when applicable)

Sprayed articles are decorated with organic enamels on the surface not in contact with food.

When the decoration is present in the area within a 20 mm distance from the tumbler rim (lip and rim area), the migration of Lead and Cadmium comply with limits and acceptance criteria described in DIN51032.

- Decorated Items (when applicable)

Screen Printing (Serigraphy) or Tampography is executed with inorganic enamels.

When the decoration is present in the area within a 20 mm distance from the tumbler rim (lip and rim area), the migration of Lead and Cadmium from the above-mentioned articles comply with limits and acceptance criteria described in DIN51032 (Pb 2,0 mg/item, Cd 0.2 mg/item).

Restrictions / other information

Allergens (Dir. 2007/68/EC, Rec. (UE) 1169/2011) are not intentionally used in the manufacture of our products. Our manufacturing process doesn't foresee the use of genetically modified substances, which cannot be found in the finished products, nor the use of sources of irradiation which can compromise the integrity of our products. Raw materials are accurately selected, and our suppliers are audited in compliance with our requirements.

This declaration is only applicable to glass items without accessories (lids, gaskets, closures, stoppers, etc.).

The validity of this statement starts from the signature date. It will be revised only following substantial changes in the manufacturing of the material which could modify the essential requirements, or in case of regulation amendments.

Parma, 04/01/2024

Roberto Ghizzoni
Quality Assurance Manager

