BORMIOLI LUIGI
GLASSMAKER

To: STALGAST Sp. z o.o.
Promenada Business Center
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04-175 WARSZAWA
POLAND

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 following articles

GLASS CONTAINERS AND TABLEWARE ITEMS
BRANDED BORMIOLI LUIGI AND BORMIOLI ROCCO

Ref.N.: Barshine collection, all articles

Composed of:

☒ Soda lime glass* ☐ Crystal Glass
☐ Opal Glass ☐ Borosilicate glass (outsource manufactured)

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 2008-1469
- 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 the chemical compositions shown at page 2. The 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	Microware	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 (not decorated and decorated, 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*
Glazed 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	Microware	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	*100°C*	*NO*	*max 100°C*	*YES*	*NO*	*Wash before use*

- *Glass Composition*

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

Soda – Lime Glass also including SPARKX and STARGLASS glass		Crystal Glass also including SON.HYX glass		Opal Glass		Borosilicate Glass (Thermic glass)	
Oxide	%	Oxide	%	Oxide	%	Oxide	%
SiO_2	70 – 74	SiO_2	67 – 71	SiO_2	70 – 73	SiO_2	75 - 80
Al_2O_3	1 – 3	Al_2O_3	1 – 3	Al_2O_3	6 – 8	Al_2O_3	1-3
CaO + MgO	9 – 13	CaO + MgO	7 – 10	CaO + MgO	2 – 4	B_2O_3	8 - 12
$Na_2O + K_2O$	13 – 15	Na_2O	8 – 13	$Na_2O + K_2O$	11 – 14	Na_2O	3 – 6
BaO	0 – 2	BaO + K_2O + ZnO	>10	BaO	0 – 3		
ZnO	0 – 2			F	4 – 6		
*the composition can be modified also outside the indicated range for technical reason							

- *Food contact suitability*

Above mentioned containers are suitable to come into contact with:

Food type	Contact condition
All types of foods.	Any long, short and repeated contact at temperatures compatible with the specific article type, as indicated in the previous table on page 2.

- *Migration Facts*

The material complies with the global and specific migration limits according to the above-mentioned regulation at the following testing conditions:

Ref. Law/Standard	Migration Type	Simulants	Time and Temperature
IT DM 21/03/1973 category A	Global (3rd migration)	Distilled water	30 min at 120°C
IT DM 21/03/1973 category B	Global (3rd migration)	Distilled water	2 h at 80°C
ISO 7086 -1,2, ISO 6486 – 1,2, French Reg. DGCCRF 2004-64 (and following amendments such as Fiche MCDA n°2 V01 – 01/05/2016)	Specific (3rd migration) Lead (Pb), Cadmium (Cd), Aluminium (Al), Cobalt (Co), Arsenic (As)	Acetic acid 4% (p/v) in water	24h at 22°C

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Glass containers we supply comply with the standards concerning glass items as per the Italian DM 21/03/1973 category A (suitable to the contact with all food types under all temperature conditions up to and including sterilization) and category B (suitable to the contact with all food types under temperature conditions low than 80°C), 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).

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.

- *Glass properties*

SON.HYX is a crystal glass with exceptional optical properties composing some articles branded Bormioli Luigi, SPARKX is a special ultra-clear soda lime glass composing some tableware items branded Bormioli Luigi, STARGLASS is a special ultra-clear soda lime glass composing some tableware items branded Bormioli Rocco.
Annealed soda-lime and crystal glass tableware (SON.HYX, SPARKX, STARGLASS) show a Real Temper Number (RTN) less or equal to 3, when measured according to ASTM C 148-17 "Standard Test Methods for Polariscopic Examination of Glass Containers".

- *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).

- *Glazed 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 / exclusions / 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.).

Bormioli Luigi shall not be responsible for any injury, loss, damage, cost or expense suffered by the Customer if and to the extent that the above is caused by negligence or wilful misconduct of the same Customer, or by an inappropriate or unsuitable use of our products different from what we have specified above.
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, 20/03/2025

Roberto Ghizzoni
BU Glassware - Quality Manager



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