Declaration of Conformity

Emission Date: 05-01-2025

Leerdam Crisal Glass is pleased to respond to your request for information regarding LCG manufacturing practices. We hereby declare that all the glass manufactured by Leerdam Crisal Glass is manufactured with common soda lime glass with the following composition:
SiO2
Al2O3
Na2O
CaO
MgO
Microproducts

Our soda lime glass material is considered lead and cadmium free, non-toxic and non-radioactive. Since it is Lead and Cadmium free (as per ISO 7086/1; ISO 7086/2; and NP2094) it can be in contact with all kind of food and drinks.
We declare that our products

- Comply with REACH directive Regulation EU 1907/2006;
- Do not contain any substances of Very High Concern (SVHC)
- Fulfill the requirements of Regulation (EC) No 84/500 changed for the Regulation (EC) No 2005/31 and Regulation (EC) No 1935/2004, concerning material and articles intended to come into contact with foodstuffs;
- Comply with Regulation (EC) 2023/2006 of the European Parliament and Council, concerning good manufacturing practice for materials and articles intended to come into contact with food;

The quality of the organization is assured by a certified Quality Management System following standard ISO 9001:2015.
Leerdam Crisal Glass makes no representations or warranties with respect to any decorations, alterations, or modifications made to the item after the item is shipped from LCG's facility. If you have any further questions regarding this matter, please do not hesitate to contact me.

Sincerely,

Erik Kemkes
QA EHS Manager

Quality Assurance Declaration

Marinha Grande, Portugal, 08/01/2025

Leerdam Crisal Glass is pleased to respond to your request for information related to the Portuguese site CRISAL CRISTALARIA AUTOMÁTICA SA .

Quality Assurance

We hereby, declare that CRISAL CRISTALARIA AUTOMÁTICA SA which produces glassware products for domestic use, manufactured with common soda-lime glass, is a certified company, which has implemented and maintains a Quality Management System, fulfilling ISO 9001 requirements.

1. Inspection

The inspection made is based on inspection of dimensions (measuring) and laboratory tests described on point 1.2.
The final lot acceptance is based on visual inspection (good/defective) according to ISO 2859-1.

1.1. Inspection of dimensions

The inspection made is according to technical data sheet requirements and internal control plan. Due to the wearing of moulds some specifications (for instance such weight) may be out of tolerance during a production run. After each production, a meeting occurs between Quality, Production, Mold Shop and Mold Design to evaluate the production run, and case necessary, to apply to corrective measures to improve for next production.

1.2. Physico-Chemical tests

1.2.1. Thermal Shock

Resistance to thermal shock is critical to the performance of the product. CRISAL follows the guidelines set forth in ASTM Test Method C 149 (Standard Test Method for Thermal Shock Resistance of Glass Containers) to test the thermal shock performance of articles and the frequency is made according to control plan. Once the kind of raw materials used to produce the glasses is soda-lime glasses, CRISAL only guarantees a $\Delta t=50^{o}C$.

1.2.2. Annealing

Annealing reduces residual stresses in the glass and improves thermal and mechanical durability. CRISAL has had a long history of establishing proper rim tension using polarimeters and polariscopes. Annealing assessment is made according to internal procedure TS431;

1.2.3. Scratch Test

Scratch test is made according to internal procedure TS431 and meets the requirements of ASTM 2179 (Specifications for Annealed Soda-Lime Silicate Glass Containers).

1.2.4. Impact test

Resistance to impact is made according to control plan and meets the requirements according EN 12980:2000 (Materials and articles in contact with foodstuffs) and ASTM Test Method 368 (Standard Test Method for Impact Resistance on Ceramic Tableware).

1.3. Visual Inspection

The inspection is executed in accordance with ISO 2859-1 “Sampling procedures for inspection by attributes”. It is indexed in terms of the acceptable quality level (AQL). The inspection level used is level II with single sampling plan. The acceptance numbers (AC) (i.e. the maximum number of defects or defective units in the sample that will permit acceptance of a lot or batch) and rejection numbers (RE) (i.e. the minimum number of defects or defective units in the sample that will cause rejection of the lot represented by the sample) are listed in Table 1.

The following criteria are applied:

- Critical defects: AQL 0.25
- Major defects: AQL 1.00
- Minor defects: AQL 4.00

Lot Size	General Inspection Level LEVEL II	Sample Size	AQL 0,25		AQL 1,0		AQL 4,00	
			AC	RJ	AC	RJ	AC	RJ
2 a 8	A	2	0	1	0	1	0	1
9 a 15	B	3	0	1	0	1	0	1
16 a 25	C	5	0	1	0	1	0	1
26 a 50	D	8	0	1	0	1	1	2
51 a 90	E	13	0	1	0	1	1	2
91 a 150	F	20	0	1	0	1	2	3
151 a 280	G	32	0	1	1	2	3	4
281 a 500	H	50	0	1	1	2	5	6
501 a 1200	J	80	0	1	2	3	7	8
1201 a 3200	K	125	1	2	3	4	10	11
3201 a 10000	L	200	1	2	5	6	14	15
10001 a 35000	M	315	2	3	7	8	21	22
35001 a 150000	N	500	3	4	10	11	21	22
150001 a 500000	P	800	5	6	14	15	21	22
500001 para cima	Q	1250	7	8	21	22	21	22

Table 1- AQL Sampling Plan

2. Definitions

The criteria used to detect defects is that it should be visible at 50 cm (arm's length) and jeopardizes the health of the customer or impair the value/appearance of the article and must be detected in 3s.

2.1. Critical defects *are defects that may cause injury when using the product or which makes the product useless. Examples for critical defects can be seen in below table.*

Critical defects	
Glass Body	**Decoration**
Sharp (Rim/ Bottom/Foot)	Decoration out of pattern
Cold Glass Outside	Excess of ink

Table 2- Example for Critical Defects

2.2. *Major defects* are defects, which reduce the value of the product to such an extent that it is no longer saleable. Examples for major defects can be seen in below table.

Major defects	
Glass Body	**Decoration**
Heavy Check	Incorrect position
Blisters or Bubbles > 2 mm	Decoration with holes / perforations
Irregular Crack-off	Missing decoration
High Optic effect	Inappropriate gauge line
Uneven Bottom	Colour deviation

Table 3- Example for Major Defects

2.3. *Minor defects* are defects, which slightly reduce the value of the product. Examples for minor defects can be seen in below table.

Minor defects	
Glass Body	**Decoration**
Dirty Molds	-
Cat Scratch	-
Shear Mark	-

Table 4 - Example for Minor Defects

Quality Assurance Declaration

We hereby declare that all glasses manufactured in Crisal, Cristalaria Automática S.A. is manufactured with common soda lime glass. Soda lime glass material is considered lead and cadmium free, non-toxic and non-radioactive. Once is Lead and Cadmium free (as per ISO 6486-1 and ISO 6486-2, ISO 7086/1 and ISO 7086/2; and NP2094) it can be in contact with all kind of food and drinks, indefinitely. The same applies to Chrome, Nichel, Barium, Aluminum, Cobalt, Arsenic and Bisphenol A.

We declare that our products:

- Comply with REACH directive (Regulation 1907/2006);
- Do not contain any substances of Very High Concern (SVHC) and had not use any SVHC material in our production facilities.
- Fulfills with the requirements Regulation (EC) No 84/500 changed for the Regulation (EC) No 2005/31 and Regulation (EC) No 1935/2004, concerning material and articles intended to come into contact with foodstuffs;
- Comply with Regulation (EC) 2023/2006 of the European Parliament and Council, concerning good manufacturing practice for materials and articles intended to come into contact with food;
- By choosing one CRISAL representative article, annual tests are made in external certified laboratory, to certify the quality levels of our articles.
- The quality of the organization is assured by a certified Quality Management System following standard ISO 9001:2015.

CRISAL makes no representations or warranties with respect to any decorations or modifications made to the article after the being shipped from the facility. If you have any further questions regarding this matter, please do not hesitate to contact me.

Sincerely,

CRISAL - CRISTALARIA AUTOMÁTICA, S.A.
MARINHA GRANDE

Nuno Tonico
QA & EHS Manager