

Leerdam Crisal Glass

Lingedijk 8
4142 LD Leerdam
The Netherlands



Date of issue: 08-02-2023

Declaration Lead and Cadmium release.

Dear Leerdam Crisal Glass Customer,

We, Leerdam Crisal Glass hereby confirm that all undecorated glass products, produced by LCG are Lead and Cadmium free and therefore safe for food-contact and in compliance with DM 01.02.2007, DPR 777/82, directive 84/500 EC, directive 2005/31/EC and CEE regulation EG 1935/2004 concerning food safety.

Report no: T32320240963SC-01 is applicable to all our glass products as all products are manufactured with the same glass composition.

Leerdam,



Erik Kemkes
QA EHS Manager



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LEERDAM CRISAL GLASS
LINGEDIJK 8, 4142 LD LEERDAM, THE NETHERLANDS

This report supersedes all previous documents bearing the test report number T32320240963SC with amendment on product information as requested by client.

The following samples were submitted and identified by/on behalf of the client as:
GLASSESS

Case No. : CA323202415289
Our File No. : SP23-000457.001
Sample Receiving Date : JAN 16, 2023
Testing Period : JAN 16, 2023 – JAN 30, 2023

Test Requested		Conclusion
1.	Dutch – Warenwetregeling verpakkingen en gebruiksartikelen (Commodity Act on Packaging and Consumer Products), Annex Part A, Chapter V (Selected test as specified by client)	--
	a) Glass – Extractable heavy metal	PASS
2.	European Directive 84/500/EEC and its amendment 2005/31/EC – Leachable Lead and Cadmium	PASS
3.	Specific Migration of Aluminium (As per client's request)	--

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS Hong Kong Ltd.

Lam Chi Ho, Jacko
Senior Chemist

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Test Results:

1. Dutch – Warenwetregeling verpakkingen en gebruiksartikelen (Commodity Act on Packaging and Consumer Products), Annex Part A, Chapter V

a) Glass – Extractable heavy metal

Method : Sample preparation in 3% acetic acid (w/v) in aqueous solution at 70°C for 2 hours with reference to EN13130-1:2004 for selection of test method, followed by analysis using Inductively Coupled Argon Plasma Spectrometry (ICP), Inductively coupled plasma-mass spectrometry (ICP-MS) and Ion Chromatography (IC) (1st, 2nd and 3rd migration).

Test Item	Migration Result			Reporting Limit	Permissible Limit
	1				
	1 st	2 nd	3 rd		
Surface area to volume ratio (dm ² /kg)	6	6	6	--	--
Specific Migration of Antimony (mg/kg)	ND	ND	ND	0.01	0.04
Specific Migration of Arsenic (mg/kg)	ND	ND	ND	0.01	0.01
Specific Migration of Barium (mg/kg)	ND	ND	ND	0.25	1
Specific Migration of Boron (mg/kg)	ND	ND	ND	1	1
Specific Migration of Cadmium (mg/kg)	ND	ND	ND	0.002	0.01
Specific Migration of Cerium (mg/kg)	ND	ND	ND	1	1
Specific Migration of Chromium (mg/kg)	ND	ND	ND	0.01	0.1
Specific Migration of Cobalt (mg/kg)	ND	ND	ND	0.01	0.05
Specific Migration of Fluorine (mg/kg)	ND	ND	ND	0.1	1
Specific Migration of Lead (mg/kg)	ND	ND	ND	0.01	0.1
Specific Migration of Lithium (mg/kg)	ND	ND	ND	0.1	0.6
Specific Migration of Manganese (mg/kg)	ND	ND	ND	0.1	0.6
Specific Migration of Nickel (mg/kg)	ND	ND	ND	0.01	0.02
Specific Migration of Rubidium (mg/kg)	ND	ND	ND	1	1
Specific Migration of Zirconium (mg/kg)	ND	ND	ND	0.05	2
Stability ⁴	Comply			--	--
Comment	PASS			--	--

Sample Description:

1. Transparent glass (Wine glass)

Note : 1. mg/kg = milligram per kilogram of foodstuff in contact with

2. °C = degree Celsius

3. ND = Not Detected

4. dm²/kg = square decimeter per kilogram

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Remark :

1. Compliance is based on the third migration result as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V for repeated use articles.
2. ^ = Compliance is based on the stability of the material from the first to the third migration test as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V for repeated use articles.
3. # = Multiplication factor of 6 is applied according to Warenwetregeling verpakkingen en gebruiksartikelen (Commodity Act on Packaging and Consumer Products), Annex B, Chapter 1 Table 4.1 and the end use of product is specified by client.

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2. European Directive 84/500/EEC and its amendment 2005/31/EC – Leachable Lead and Cadmium

Method : With reference to European Directive 84/500/EEC and its amendment 2005/31/EC. Analysis was performed by Atomic Absorption Spectrometry.

Test Item	Results	Reporting Limit	Category 2 Limit
	1		
Released Lead (mg/L)	ND	0.1	4.0
Released Cadmium (mg/L)	ND	0.01	0.3
Volume of 4% Acetic acid used (mL)	480	--	--
Height (mm)	118	--	--
Diameter (mm)	61	--	--
Comment	PASS	--	--

Sample Description:

1. Transparent glass (Wine glass)

Note : 1. mg/L = milligram per liter
2. mg/dm² = milligram per square decimeter
3. ND = Not Detected

Remark : 1. Category 1 – Articles which cannot be filled and articles which can be filled, the internal depth of which does not exceed 25 mm.
2. Category 2 – Articles, not in categories 1 or 3, which can be filled.
3. Category 3 – Cooking ware; packaging and storage vessels having a capacity of more than three litres.
4. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.

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3. Specific Migration of Aluminium

Method: Sample preparation in 3% acetic acid (w/v) in aqueous solution at 70°C for 2 hours with reference to EN 13130-1:2004; followed by analysis using Inductively coupled plasma (ICP). (1st, 2nd and 3rd migration).

Test Item	Migration Result			Reporting Limit
	1			
	1 st	2 nd	3 rd	
Surface area to volume ratio (dm²/kg)	6	6	6	--
Specific Migration of Aluminum (mg/kg)	ND	ND	ND	0.1

Sample Description :

1. Transparent glass (Wine glass)

Note : 1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. ND = Not Detected
4. dm²/kg = square decimeter per kilogram

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Remark:

When statement of conformity is made, unless inherent in the requested specification or instructed by the applicant, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability, $w = U_{95}$) in ILAC-G8:09/2019 Clause 4.2.3.

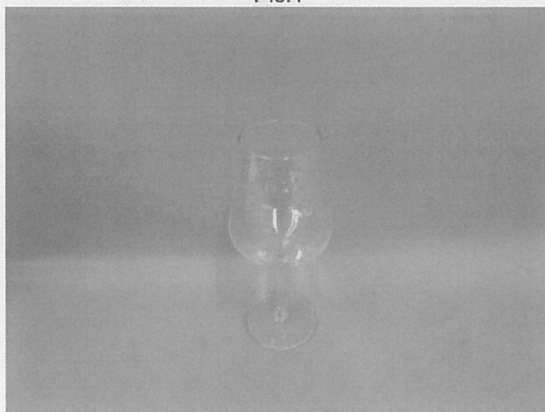
"Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band." or "Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%."

"Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band." or "Fail - One or more measured values were observed out of tolerance at the points tested". The specific false reject risk is up to 2.5%.

"Inconclusive - It is not possible to state the conformity. Either one or more measured values were observed in the portion of the expanded measurement uncertainty intervals at the points tested where the specific risk is up to 50%."

Sample Photo:

Pic.1



SGS authenticate the photo on original report only

*** End of Report ***

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