

# Standard Glass 2 of the DGG

*Soda-Lime-Silica Glass*

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Standard Glass 2 of the DGG is a soda-lime-silica glass (close to float glass).

Available are results of round robin tests for these data:

- content of the main components,

## 1. Composition (main components)

<b>component</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>SO<sub>3</sub></b>
fraction in mass %	72.26	0.10	0.021	0.033	0.27
standard deviation in mass %	0.098	0.018	0.001	0.004	0.017

<b>component</b>	<b>CaO</b>	<b>MgO</b>	<b>Na<sub>2</sub>O</b>	<b>K<sub>2</sub>O</b>
fraction in mass %	10.05	3.40	13.78	0,021
standard deviation in mass %	0.067	0.058	0.050	0,0067

The chemical composition was determined in a round robin test of the subgroup "glass analysis" of the technical committee 1 of the DGG "physics and chemistry of glasses" by 8 laboratories.

## 2. Annex 1: Sales information

Disks (80 mm · 50 mm · 5 mm) are delivered, weighing 47 to 48 g

Costs (Jan. 2022): EUR 105.00 per set of 2 discs + shipping costs

Purchase orders to:

**Hüttentechnische Vereinigung der Deutschen Glasindustrie (HVG) e.V.,  
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### 3. Annex 2: for information: single measurements of additional properties

<b>Property</b>	<b>Details/remarks</b>	<b>Standard Glass 2 of the DGG</b>	<b>Reference</b>
Refractive index	n <sub>D</sub> ; 589,2 nm	1,52195	