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### Center for Applied Analytics

By the DAkkS to DIN EN ISO/IEC 17025 accredited testing laboratory for the testing methods mentioned in the certificate.



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## Test report AC10370/2016

### Leaching of Antimony

Client: Gujarat Borosil Limited  
1101, Crescenzo, G-Block,  
Opp. MCE Club  
Bandra Kurla Complex  
Bandra (East), 400 051 Mumbai  
India

Contractor: Fraunhofer Institute for Silicate Research ISC  
Head of Institute Prof. Dr. Gerhard Sextl  
Center for Applied Analytics  
Neunerplatz 2  
D-97082 Wuerzburg


#### Contact persons:

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## 1. Description and designation of the sample:

The sampling and the sample delivery to the Fraunhofer-Institute ISC was performed by the client.

P01: White glass panel

## 2. Processing

### 2.1 Sample preparation

The glass panel was broken into pieces - see figure 1.



Figure 1: Glass pieces

11.2 kg of the glass pieces were mixed with 4.5 L of deionized water so that all pieces are covered with water.

### 2.2 Method of analysis

After a leaching time of 100 days, the antimony content in the eluent was determined by inductively coupled plasma optical emission spectroscopy (ICP OES).

### 2.3 Process time

Sample delivery: 15/11/2016  
Start of analysis: 15/11/2016  
End of analysis: 24/02/2017

### 2.4 Place of inspection

Chemical Analytical Laboratory at Fraunhofer Institute for Silicate Research ISC in Wuerzburg

## 3. Results

The content of antimony after a leaching time of 100 days is given in table 1.

Table 1: Content of Antimony in the eluent of sample P01

Sample	Content of Antimony in Eluent (Water)	
	in mg/L	in ppm (in relation to leached amount of glass)
P01	1.07	0.43

### Closing remarks

- The analyses are carried out by specifically qualified employees and by the use of up to date analysis machines. Nevertheless, we are not able to provide guarantee for the correctness of the drawn conclusion.
- The results only refer to the provided and examined samples. A statement about the homogeneity of the batch cannot be derived
- Sample taking and shipping of the samples to the ZAA took place under the responsibility of the client.
- This analytical report may only be reproduced and/or passed on only as complete version. It may not be published (this applies to extracts too) without our explicit approval/consent. This applies in particular but not exclusively for purposes of advertising. If the analytical report is passed on to third parties, these parties shall be equally obliged that the publication of the analytical report is subject to our explicit approval.

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