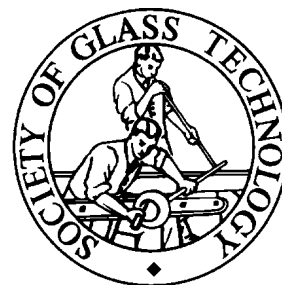


SOCIETY OF GLASS TECHNOLOGY

CERTIFICATE OF ANALYSIS

STANDARD GLASS No. 9



(Probable composition of Glass No. 9. Supplied as broken colourless pieces in 25g packs at £65.00.

| Constituent | Mass % |
|---|--------|
| Silicon dioxide, SiO ₂ | 56.7 |
| Titanium dioxide, TiO ₂ | 0.03 |
| Aluminium oxide, Al ₂ O ₃ | 1.4 |
| Total iron as Fe ₂ O ₃ | 0.045 |
| Arsenic (III) oxide, As ₂ O ₃ | 0.4 |
| Lead oxide, PbO | 28.4 |
| Calcium oxide, CaO | 0.1 |
| Strontium oxide, SrO | 0.1 |
| Sodium oxide, Na ₂ O | 4.0 |
| Potassium oxide, K ₂ O | 8.4 |
| Loss at 550°C | 0.4 |

In fact, supplies of two lead glasses were received by the Committee but because of time limitations glass 9 was not analysed by all of the collaborating laboratories. This glass has a lower lead oxide content, about 20% PbO, than Standard Glass No 8 and although it cannot be offered as a certified materials, it could be useful as a subsidiary calibration check and the probable composition is listed in Appendix 3.

Country of origin - UK