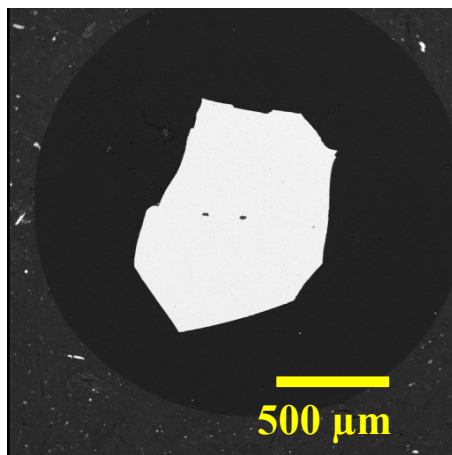




## Corning Glass IR-W, NMNH 117084

B <sub>2</sub> O <sub>3</sub> :	4.39	CuO:	0.700
Na <sub>2</sub> O:	<0.003	ZnO:	0.008
MgO:	8.71	Rb <sub>2</sub> O:	-
Al <sub>2</sub> O <sub>3</sub> :	18.12	SrO:	0.044
SiO <sub>2</sub> :	56.68	Y <sub>2</sub> O <sub>3</sub> :	0.009
P <sub>2</sub> O <sub>5</sub> :	<0.005	ZrO <sub>2</sub> :	0.007
K <sub>2</sub> O:	0.004	Cs <sub>2</sub> O:	0.710
CaO:	6.39	BaO:	0.776
TiO <sub>2</sub> :	0.008	La <sub>2</sub> O <sub>3</sub> :	0.783
V <sub>2</sub> O <sub>3</sub> :	0.638	Ce <sub>2</sub> O <sub>3</sub> :	-
Cr <sub>2</sub> O <sub>3</sub> :	0.002	HfO <sub>2</sub> :	0.003
MnO:	0.637	PbO:	0.006
FeO:	0.084	ThO <sub>2</sub> :	0.838
CoO:	0.734	UO <sub>2</sub> :	0.001
NiO:	0.005		

**TOTAL** 100.295



**Size fractions available:**  
**Rods that can be chipped**

1.00 mm - 0.710 mm  
0.710 mm - 0.500 mm  
See below

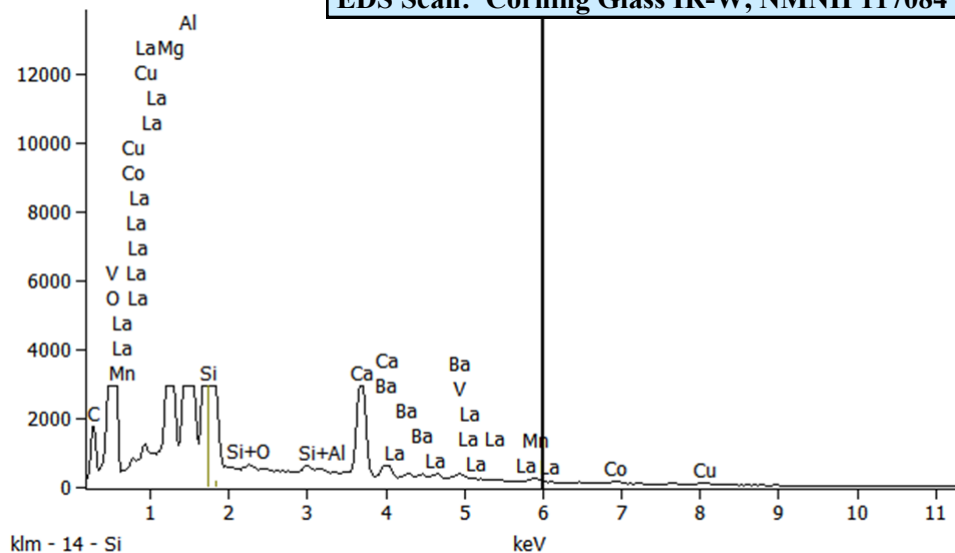
**Analysis:** Carpenter *et. al.*, 2002  
**Source:** Synthetic

### Standard Specifics:

Total in Carpenter et al. is 100.32.

A large quantity of this material exists in 6.5 mm diameter rods making it suitable for large area destructive analysis.

### EDS Scan: Corning Glass IR-W, NMNH 117084



### References:

Carpenter, P. *et. al.* (2002) Characterization of Corning EPMA Standard Glasses 95IRV, 95IRW, and 95IRX. *J. of Res. NIST*, 107, p. 703-718.