

Gems & Gemology Data Depository

Electron microprobe data to accompany: S. M. Tagliani et al., “‘Churrasco quartz’ with tourmaline and chamosite inclusions from Brazil,” Spring 2010 *G&G*, pp. 63.

TABLE 1. Electron microprobe analyses of inclusions in two quartz cabochons from Bahia, Brazil.^a

Oxide (wt.%)	Schorl	Chamosite
SiO ₂	39.33	20.86
TiO ₂	0.52	0.04
Al ₂ O ₃	35.49	22.14
Cr ₂ O ₃	0.03	0.01
MgO	1.03	0.75
CaO	0.07	0.02
MnO	0.08	0.12
FeO	13.01	42.79
Na ₂ O	0.70	0.07
K ₂ O	0.03	0.05
F	0.08	0.01
Cl	0.01	0.02
Total	90.37	86.88

^aThe values given represent the average of 10 analyses on two inclusions of each mineral. Slightly higher than expected values for Si and Al are probably due to the analytical standards used for those elements.