



**BURNOUT RESIDUE ANALYSIS OF
 AQUAZOL CERAMIC BINDER**

Thermal decomposition studies of Aquazol Ceramic Binder show very complete loss of the binder as volatiles. Ash levels of 100 ppm or less were measured for all three lots of materials tested.

Subsequent residual analysis indicates extremely low levels of halogens, aluminum, and sodium.

**POST-DECOMPOSITION ANALYSIS OF ASH,
 AQUAZOL CERAMIC BINDER**

Lot #	ppm Cl	ppm Na	ppm Br	ppm Al
850607-700	3.5 ± 0.4	6.0 ± 1.0	ND ¹	1.7 ± 0.2
850615-1045	3.2 ± 0.4	8.0 ± 1.0	ND ¹	1.8 ± 0.2
850803-110	2.3 ± 0.3	4.0 ± 0.7	ND ¹	2.0 ± 0.2

ND = None Detected

¹Limit of detection for bromine was approximately 0.1 ppm

QUALITATIVE ANALYSIS

By qualitative analysis, all three lots of Aquazol showed probably levels of manganese at below 0.1 ppm. Lot #850607-700 only showed a probably iodine level of less than 0.1 ppm. The following trace metals were tested without detection:

Fe	Ca	Sn	Pb	Ni
Cr	Mg	Zn	V	Cu
Mo	Cd	Co	Be	

