

Indianapolis Museum of Art – Material Analysis Sheet

Material:

Agateen 27 Lacquer

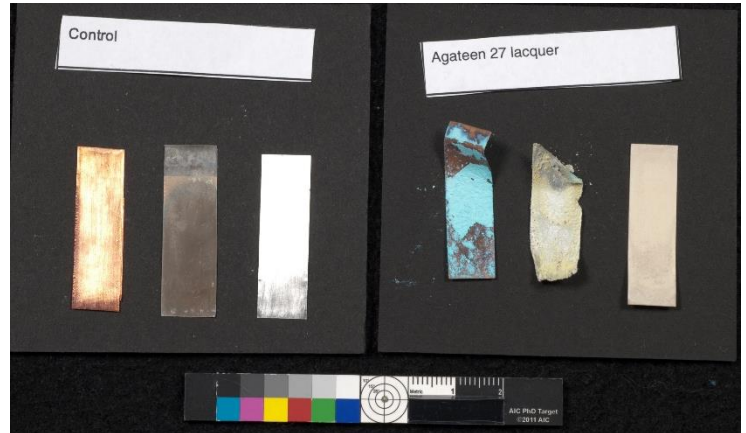
Cellulose Nitrate



Oddy:

Fail

N = 3; measured 3/2016 to 7/2016



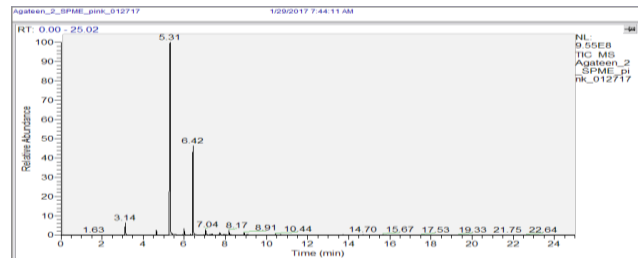
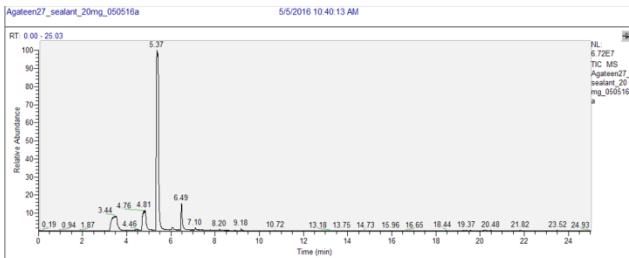
Notes: Extreme discoloration on all coupons. Beaker “busted” open only a few days into the run.

Evolved-Gas Analysis:

EGA reveals the presence of 1-butanol at 3.44, toluene at 4.61, n-butyl acetate at 5.37, a-butoxyethanol at 6.49, benzaldehyde at 7.1, and butylcellosolve acetate at 8.2

SPME Analysis:

SPME showed presence of toluene at 4.64, n-butyl acetate at 5.31, a-butoxyethanol at 6.42, benzaldehyde at 7.04, and butylcellosolve acetate at 8.17



Microchemical Tests:

Azide: **P**

Chromatropic Acid: **?**

Iodide/Iodate: **P**