

CALCOAST ANALYTICAL MATERIALS CHEMISTRY

Certified by
California Department of Health Services
City of Los Angeles, Dept. of Building and Safety

2. ANALYSIS PERFORMED

- A. Vapor Pressure
- B. Vapor Composition by Direct Injection Gas Chromatography/ Mass Spectrometry (GC/MS)

3. METHODS/ PROCEDURES USED FOR ANALYSIS, Continued

- B. Direct Injection Gas Chromatography/ Mass Spectrometry (GC/MS)

The vapor composition of each of the sealed bottles was measured by directly injecting 250 ul of vapor using a gas-light syringe into the GC/MS

4. Results:

- A. Vapor Pressure Robert A. Haffner
Chief Analytical Chemist

Sample	Vapor Pressure mm of Hg @ 22°C
1. PenSeal 40% in IPA	11.30
2. PenSeal 244 40%	2.80
3. Power Seal 40	4.70

- B. Direct Injection Gas Chromatography/ Mass Spectrometry (GC/MS)- TIC's and fragmentation patterns attached

Sample	Vapor Composition	
	Compound	Relative Amount Present*
1. PenSeal 40% in IPA	Isobutyltrimethoxysilane	2.20
2. PenSeal 244 40%	Isobutyltrimethoxysilane	1.04
3. PowerSeal 40	Isobutyltrimethoxysilane	1.0

*Amounts are given relative to one another

Ref: Lab File #0425-3A,C-97