



Paint Quality Control Analysis

Client: Sue Hayden
Institution: Ameri-Paint, LLC
PO Number: Prepaid Check # 2019

Project No: G989
Date: November 2, 2006

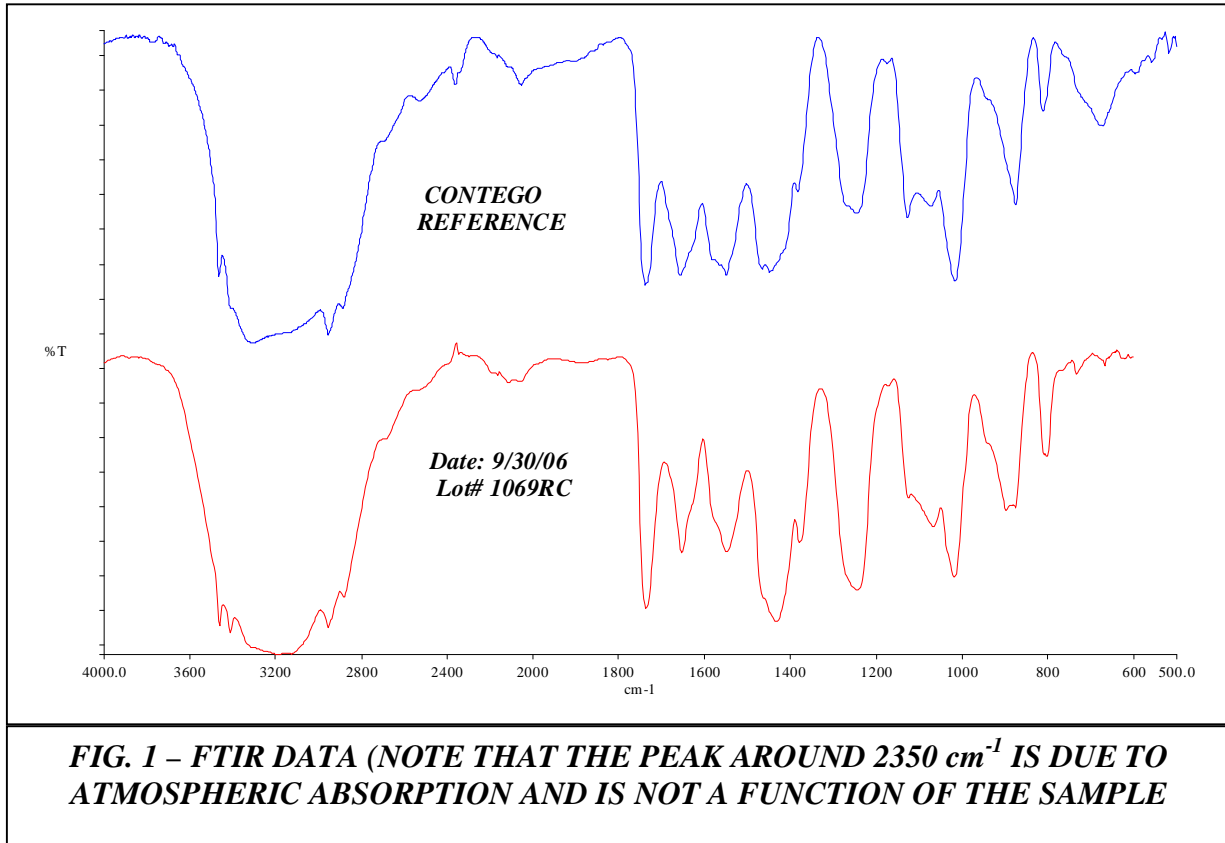
SUMMARY: A paint sample was weighed, dried and analyzed by Fourier transform infrared (FTIR) spectroscopy. Within the limits of experimental variation, the FTIR spectra from this sample and the control sample were indistinguishable.

DESCRIPTION OF SAMPLES:

<u>Sample No.</u>	<u>Client No.</u>
M32154-1	Control
G989-01	Date: 9/30/06 Lot# 1069RC

PREPARATION AND ANALYSIS: After stirring the sample with a glass rod, a small amount of paint was placed on one or more pre-weighed glass slides and allowed to dry. The slides with dried paint were reweighed and then one or more portions of the dried sample were placed between two diamond flats for FTIR analysis. After smoothing and background correction, the spectra were compared to the control sample.

DISCUSSION OF RESULTS: Upon drying, the control sample lost about 43.5% by weight (solvent loss) and the "Date: 9/30/06 Lot# 1069RC" sample lost about 42%. Figure 1 shows FTIR spectra from sample "Date: 9/30/06 Lot# 1069RC" and from the control. The small differences seen between these spectra are no greater than those noted between spectra of different sub-samples of the control sample.



GB Freeman

Garth B. Freeman, Ph.D.
Senior Consultant