



Paint Quality Control Analysis – Preliminary Results

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Institution: Contego Global Holdings
PO Number: Check

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SUMMARY: A control paint sample and a second sample were weighed, dried and analyzed by Fourier transform infrared (FTIR) spectroscopy. Within the limits of experimental variation, these two samples were indistinguishable.

DESCRIPTION OF SAMPLES:

<u>MAS No.</u>	<u>Client No.</u>
M32154-1	Control
M32154-2	004V

PREPARATION AND ANALYSIS: After stirring each sample with a glass rod, a small amount of paint was placed on a pre-weighed glass slide and allowed to dry at 65°C for a period exceeding 18 hours. The slides with dried paint were reweighed and then one or more portions of each dried sample were placed between two diamond flats for FTIR analysis. After smoothing and background correction, the spectra were compared. Four FTIR spectra were collected from the control sample to form a baseline for comparison.

DISCUSSION OF RESULTS: Upon drying, the control sample lost about 43.5% by weight (solvent loss) while the 004V sample lost about 42.4% by weight. Figure 1 shows an FTIR spectrum from the control sample and one from sample 004V. The small differences seen between these two spectra are no greater than those noted between spectra of different sub-samples of the control sample.

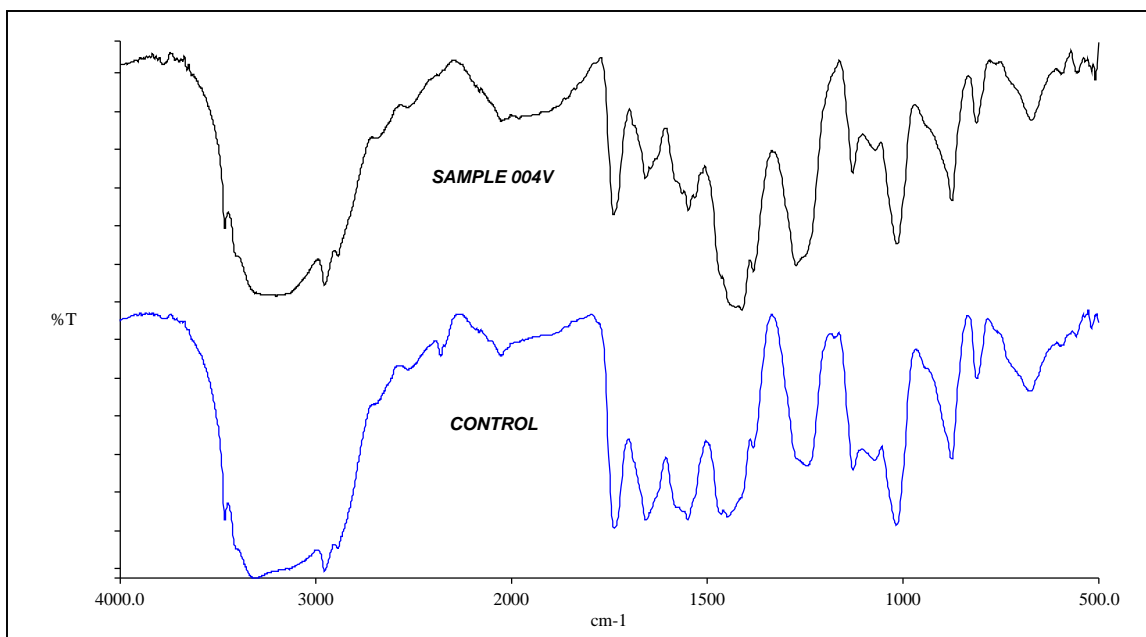
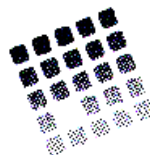


FIG. 1 – FTIR DATA

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