



September 16, 2008

Project # 0809.000

Company, Inc  
9999 Address Street  
Seattle, WA 98107

Phone: (206) 555-1212  
E-mail: j.doe@company.com

**Attn: John Doe**

### Summary of Findings

The presence of sugar (sucrose) was not detected by FTIR spectroscopy in a sample of gasoline drawn by Mr. Doe from his fuel tank or in the gasoline that drained from the fuel filter. Approximately 0.5 % residue remained after the tank gasoline had evaporated and about 1.0 % after evaporation of the gasoline from the fuel filter. FTIR analysis of these concentrates still revealed no sucrose but the spectra matched several polymer compounds including alkyd resins and phthalates. The origin of these compounds is not known.

This report contains the results of FT-IR analysis on samples submitted by J. Doe on 9/4/2008 at 3:30PM.

LCM Sample ID	Client Sample ID	Description	Results
0809.000-1	No CSID	75 ml fuel sample submitted by client for sucrose analysis	Negative for sucrose in fuel sample Some resin and/or phthalates present.
0809.000-2	No CSID	Fuel Filter from vehicle-sample removed and the residual gasoline analyzed for sucrose	Negative for sucrose in Fuel Filter. Some resin and/or phthalates present

**Comment** Sucrose also has a very low solubility in gasoline (primarily octane) and, despite the numerous “urban legends” about malicious intent to inflict damage by putting it in gas tanks, it is not considered to be capable of destroying an engine.

The polymeric compounds that were found may have resulted from the dissolution by the gasoline of seal, gaskets or some other plastic component. Further work might identify the source of this material. Its effect on an automobile engine is not known.

R. M. Fisher, PhD  
Chief Scientist

C. K. Brown  
Laboratory Supervisor