



2016 NOBCChE National Science Fair Abstract

Category: **Physical Science**

Title: **Isolation of Caffeine using High Performance liquid chromatography**

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High- Performance liquid chromatography is a form of liquid chromatography used to separate compounds that are dissolved in a solution. The experiment required this technology to isolate and quantify caffeine from different drinks. The types of drinks analyzed were Diet Pepsi, Diet Coke, Diet Coke Splenda, Pepsi, Blueberry Red Bull and MioEnergy Cherry.

The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) National Science Fair is a poster competition in which students present an independent completed research project. Each contestant in the Science Fair must demonstrate their ability to conduct a research project by:

- Submitting an abstract of 150 words or less on an individual research project in one of the following **four categories: physical science, math & engineering, consumer science, or biological science.**
- Presenting the results of the research in a poster format, including answering questions from judges; and submitting a written report during the poster presentation.
- For more information, visit www.nobccheSTEMwkd.com.