

Anatomy of an Awesome Abstract

A professional abstract summarizes the scope of your research and shows why your study is worth learning more about.

HPLC analysis of contaminants on baby pacifiers

Dawn Young¹, Joey Fresh¹, Grey Oldman¹

1. The Pennsylvania State University, Department of Chemistry

Studies have shown that a large fraction of baby pacifiers have caffeine on them, especially those of first-born children. Because the caffeine is believed to originate with the parents, it is hypothesized that parents of multiple children might seek out pain relief in addition to stimulants. However, the most common analgesic—acetylsalicylic acid (aspirin)—can trigger Reye's syndrome in infants, leading to brain and liver damage. To determine the amount of contamination, pacifiers were collected from a local day care center. Organic contaminants were removed from the pacifiers by ethanol extraction. The resulting solutions were analyzed by HPLC. More than 90% of the pacifiers were found to be contaminated with acetylsalicylic acid. The complete results for all the pacifiers will be presented.

Abstract title

- Write a short, descriptive title in sentence case.
- Capitalize only the first word, acronyms, and proper nouns.

Authors and affiliations

(you, faculty advisor(s), co-worker(s))

- List the names and affiliations of everyone who contributed to the work.
- Be sure the lead author is the person who completed the study or will be presenting the work (usually you).
- The affiliation should be the complete name of your school, without any abbreviations.

Abstract body

Write a concise, high-level summary of 2000 characters or shorter. Use the third person and passive voice, and be sure to correct any grammar or spelling errors.

Key elements to include:

- Importance of your research
- Problem your work attempts to solve
- Approaches or methods used
- Overview, not details, of results

This abstract is for educational purposes only and is not based on a real study.



ACS
Chemistry for Life®



chemistry
The ACS Student Member Magazine