Name(s) Project Number
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Project Title
Comparing Ascorbic Acid Content between Organic and Non-organic Malus domestica

Objectives/Goals
The objective is to determine if there is more ascorbic Acid (vitamin C) in organic or non-organic Malus domestica (apples).

Methods/Materials
Five different types of apples were collected. The peel and pulp of the samples were run through a High Performance Liquid Chromatography machine (HPLC). The ascorbic acid content was determined by comparing the amounts found in the standards and samples.

Results
There was more vitamin C found in the organic apple peel samples than the non-organic. However in the pulp samples there was not a significant change in vitamin C content.

Conclusions/Discussion
The results we obtained showed that organic Malus Domestica have higher ascorbic acid levels compared to the non-organic.

Abstract

Summary Statement
Comparison of vitamin C content in apples.

Help Received
Dr. Cauchon, Dr. Malhotra and Mr. Hoag answered some questions I asked of them.