

## Accepted Manuscript

Rapid quantification of the adulteration of fresh coconut water by dilution and sugars using Raman spectroscopy and chemometrics

Paul I.C. Richardson, Howbeer Muhamadali, David I. Ellis, Royston Goodacre

PII: S0308-8146(18)31439-0  
DOI: <https://doi.org/10.1016/j.foodchem.2018.08.038>  
Reference: FOCH 23379

To appear in: *Food Chemistry*

Received Date: 11 January 2018  
Revised Date: 7 August 2018  
Accepted Date: 8 August 2018

Please cite this article as: Richardson, P.I.C., Muhamadali, H., Ellis, D.I., Goodacre, R., Rapid quantification of the adulteration of fresh coconut water by dilution and sugars using Raman spectroscopy and chemometrics, *Food Chemistry* (2018), doi: <https://doi.org/10.1016/j.foodchem.2018.08.038>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Rapid quantification of the adulteration of fresh coconut water by dilution  
and sugars using Raman spectroscopy and chemometrics**

Paul I. C. Richardson, Howbeer Muhamadali, David I. Ellis\* and Royston Goodacre\*

Manchester Institute of Biotechnology, School of Chemistry, Manchester, UK, M1 7DN

\*Email: Roy.Goodacre@manchester.ac.uk D.Ellis@manchester.ac.uk

**Keywords:** fresh coconut water, food fraud, adulteration, sugars, dilution, Raman, chemometrics

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7583739>

Download Persian Version:

<https://daneshyari.com/article/7583739>

[Daneshyari.com](https://daneshyari.com)