### Accepted Manuscript

Effect of steaming and sous vide processing on the total phenolic content, vitamin C and antioxidant potential of the genus Brassica

Tomás Lafarga, Inmaculada Viñas, Gloria Bobo, Joan Simó, Ingrid Aguiló-Aguayo

PII: S1466-8564(17)30491-5

DOI: doi:10.1016/j.ifset.2018.04.008

Reference: INNFOO 1969

To appear in: Innovative Food Science and Emerging Technologies

Received date: 3 May 2017
Revised date: 5 February 2018
Accepted date: 11 April 2018

Please cite this article as: Tomás Lafarga, Inmaculada Viñas, Gloria Bobo, Joan Simó, Ingrid Aguiló-Aguayo, Effect of steaming and sous vide processing on the total phenolic content, vitamin C and antioxidant potential of the genus Brassica. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Innfoo(2017), doi:10.1016/j.ifset.2018.04.008

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.



## ACCEPTED MANUSCRIPT

# Effect of steaming and sous vide processing on the total phenolic content, vitamin C and antioxidant potential of the genus Brassica

Tomás Lafarga <sup>a</sup>, Inmaculada Viñas <sup>b</sup>, Gloria Bobo <sup>a</sup>, Joan Simó <sup>c</sup>, Ingrid Aguiló-Aguayo <sup>a</sup>\*

\*Corresponding author: Dr Aguiló-Aguayo. Institute of Agrifood Research and Technology (IRTA), XaRTA-Postharvest, Lleida, Spain | Parc Científic i Tecnològic Agroalimentari de Lleida, Parc de Gardeny, Edifici Fruitcentre, 25003 Lleida, Spain | Phone: +34973003431 | email: Ingrid.Aguilo@irta.cat

#### **Abbreviations**

ANOVA: Analysis of variance; DPPH: 2,2-Diphenyl-1-picrylhydrazyl; FRAP: Ferric reducing antioxidant power;  $h^0$ : Hue angle; HPLC: High-performance liquid chromatography; S.D: Standard deviation; TPTZ: 2,4,6-Tris(2-pyridyl)-s-triazine; UV: Ultraviolet; TCEP: tris(2-carboxyethyl)phosphine hydrochloride

<sup>&</sup>lt;sup>a</sup> Institute of Agrifood Research and Technology (IRTA), XaRTA-Postharvest, Lleida, Spain

<sup>&</sup>lt;sup>b</sup> Food Technology Department, University of Lleida, XaRTA-Postharvest, Agrotecnio Center, Lleida, Spain

<sup>&</sup>lt;sup>c</sup> Fundació Miquel Agustí, Campus del Baix Llobregat, Esteve terrades 8, 08860 Castelldefels, Spain

#### Download English Version:

# https://daneshyari.com/en/article/8415581

Download Persian Version:

https://daneshyari.com/article/8415581

<u>Daneshyari.com</u>