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Curcuma longa L.- and *Piper nigrum*-based hydrolysate, with high dextrose content, shows antioxidant and antimicrobial properties

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ACCEPTED MANUSCRIPT Curcuma longa L.- and Piper nigrum-based hydrolysate, with high dextrose 1 content, shows antioxidant and antimicrobial properties 2 3 Mariana Assis de Queiroz Cancian^a, Fernanda Garcia de Almeida^b, Marcela Moreira 4 Terhaag^a, Admilton Gonçalves de Oliveira^{c,d}, Thais de Souza Rocha^a, Wilma Aparecida 5 Spinosa^{a*} 6 7 ^a Department of Food Science and Technology; State University of Londrina, 86051-8 9 970; Londrina, Brazil ^b Department of Chemistry, State University of Londrina, 86051-970; Londrina, Brazil 10 ^c Department of Microbiology, State University of Londrina, 86051-970; Londrina, 11 12 Brazil ^d Laboratory of Electron Microscopy and Microanalysis, State University of Londrina, 13 86051-970; Londrina, Brazil 14 15 16 *Corresponding author. Tel +55 43 3371-4585, fax +55 43 3371-4585. *E-mail address*: 17 wilma.spinosa@uel.br (W. Spinosa). 18 19

- Abbreviations: BPF, black pepper flour; CC, curcumin content; DE. Dextrose 20
- equivalent; HTBP, turmeric-black pepper hydrolysate; TF, turmeric flour; TP, total 21
- polyphenols. 22

23

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