Accepted Manuscript

Effect of controlled-release chlorine dioxide on the quality and safety of cherry /grape tomatoes



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PII: S0956-7135(17)30319-5

DOI: 10.1016/j.foodcont.2017.06.021

Reference: JFCO 5674

To appear in: Food Control

Received Date: 21 April 2017

Revised Date: 13 June 2017

Accepted Date: 14 June 2017

Please cite this article as: Xiuxiu Sun, Bin Zhou, Yaguang Luo, Christopher Ference, Elizabeth Baldwin, Ken Harrison, Jinhe Bai, Effect of controlled-release chlorine dioxide on the quality and safety of cherry/grape tomatoes, *Food Control* (2017), doi: 10.1016/j.foodcont.2017.06.021

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1 Effect of controlled-release chlorine dioxide on the quality and safety of cherry/grape 2 tomatoes 3 4 Xiuxiu Sun ^a, Bin Zhou ^b, Yaguang Luo ^b, Christopher Ference ^a, Elizabeth Baldwin ^a, Ken Harrison c, and Jinhe Bai a,* 5 6 7 ^a United States Department of Agriculture, Agricultural Research Service, Horticultural Research Laboratory, 2001 S. Rock Rd, Ft. Pierce, FL 34945 8 ^b United States Department of Agriculture, Agricultural Research Service, Environmental 9 Microbial and Food Safety Laboratory, 10300 Baltimore Ave, Beltsville, MD 20705 10 ^c Worrell Water Technologies, LLC, 14 South Swinton Ave, Delray Beach, FL 33444 11 12 * Corresponding author: Jinhe.bai@ars.usda.gov (772-462-5880) 13 14 15 Keywords: chlorine dioxide; controlled-release; tomato; food safety; foodborne pathogen; 16 antimicrobial activity 17 18

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