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# Analysis of the monitoring status of residual nitrite in meat products in China from 2000 to 2011

Hongchao Zhang<sup>a</sup>, Changbao Sun<sup>a</sup>, Wanjun Han, Jiaxiu Zhang, Juncai Hou<sup>\*</sup>

*College of Food Science, Northeast Agricultural University, Harbin 150030, China*

*\*Corresponding author: Tel: 86-451-55190459; Fax: 86 451 551 905 77; E-mail:*

*jchou@neau.edu.cn*

<sup>a</sup>*The first two authors contributed equally to this article*

## Abstract

The aim of this article was to analyze the monitoring status of nitrite in meat products consumed from 2000 to 2011 in 24 provinces, autonomous regions or direct-controlled municipalities in China. Statistical analyses were performed on the monitoring status including number, proportion, and distribution of 13,316 samples, of which 11,320 (85%) contained up to 2808.2 mg/kg nitrite and 1,996 (15%) contained no nitrite. A total of 10,299 samples (77%) qualified for GB/T5009.33-2003; however, 3,017 samples (23%) contained nitrite at levels higher than the national standard. The districts with high percentage of samples with no nitrite were Shanghai (49%), Beijing (47%), and Liaoning (30%). While the districts with high percentage of meat products containing nitrite at levels exceeding the national standard were Jiangxi (49%), Jiangsu (33%), Shandong (29%) and Sichuan (29%). Therefore, the status of residue nitrite in meat products is of concern.

**Key word:** Meat products; Nitrite; Monitoring status; Supervision

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