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## Survey on Malachite Green and Leucomalachite Green Residues in Marketed Aquatic Products

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### ABSTRACT

A survey of malachite green and leucomalachite green residues in marketed aquatic products was conducted in 2007. Sixty four samples, including 9 grouper, 14 tilapia, 11 milkfish, 10 smelt, 5 ell, 5 trout, 2 catfish, 2 bullfrog, 2 rice frog and 4 soft-shell turtle, were collected from retails by local health personnel. Homogenized samples were extracted using acetonitrile and cleaned up using Oasis MCX cartridge. The extracts were analyzed by liquid chromatography tandem mass spectrometry (LC/MS/MS) with electrospray ionization and multiple reaction monitoring. Neither malachite green nor leucomalachite green was detected in all samples with the detection limit of 0.5 ppb.

Key words: malachite green, leucomalachite green, aquatic product, LC/MS/MS