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## Short Communication

# Antimicrobial and preservative activities of *Allium sativum* and *Eugenia aromatica* on fresh tomato puree

Adekalu O. A.\*, Olatunde I. G., Echendu B. M., Adepoju T. C. and Fajemisin O. O.

Nigerian Stored Products Research Institute, P. M. B 12543, Lagos, Nigeria.

\*Corresponding author. E-mail: [oaadekalu@yahoo.com](mailto:oaadekalu@yahoo.com).

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## Abstract

This study attempts to develop a method for prolonging the shelf life of ground fresh tomato using fresh *Allium sativum* and *Eugenia aromatica*, as antimicrobial and preservative agent. Fresh tomatoes were purchased from Lagos market, washed and allowed to drain. They were milled using a blender. Known percentages of the spices were added to blended tomatoes placed in covered sterilized plastic bowls. The spices were added to the blended tomato in the following proportion: 5, 4, 3, 2 and 1 percent. Control experiments were also set up. All investigation was carried out at ambient temperature. Both *A. sativum* (Garlic) and *E. aromatica* (Clove) increased the shelf life of fresh tomato puree for a maximum of ten days.

**Key words:** tomatoes, preservative, spoilage, fungi, organoleptic, shelf life.

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