

RESIDUES OF CARBOFURAN AND FOUR OF ITS METABOLITES IN MINT OIL

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Analytical methodology for determining residues of carbofuran and its metabolites in peppermint oil has been expanded to include the carbofuran phenols. The analytical method involves extracting the ionizable compounds from the oil, separating these into groups, and preparing suitable derivatives for combined gas chromatography-mass spectrometry.

Oils from four growing areas have been analyzed for carbofuran phenols; only one of the phenols has been found to be present and its residues were below 1 ppm.