INTERNATIONAL STANDARD

ISO 13685

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Ginger and its oleoresins — Determination of the main pungent components (gingerols and shogaols) — Method using high-performance liquid chromatography

Gingembre et oléorésines de gingembre — Dosage des principaux composés piquants (gingérols et shogaols) — Méthode par chromatographie en phase liquide à haute performance



ISO 13685:1997(E)

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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Annexes A to E of this International Standard are for information only.

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Introduction

This method, initially based on Wood's publications [Overseas Development Natural Resources Institutes (ODNRI)], enables one to know without any ambiguity the identity of the peaks obtained by HPLC, for the quality control of ginger extracts. It is particularly useful in this case as the pungent compounds of interest are very sensitive to heat.

The method has been validated by two international interlaboratory tests carried out by seven laboratories.

After examination of the results, it is estimated that the method may be considered as the best that can be achieved for the moment but it could be improved, in particular for the precision data.