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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 26515.1-2011

**Essential oils -- General guidance on chromatographic profiles
-- Part 1: Preparation of chromatographic profiles for
presentation in standards**

精油 气相色谱图像通用指南 第1部分：标准中气相色谱图像的建立

(English Translation)

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Foreword

GB/T 26515 "Oil Gas chromatographic General Guide" is divided into two parts.

--- Part 1. the establishment of standards in gas chromatography image;

--- Part 2. Oil sample image using gas chromatography.

This section GB/T 26515 Part 1.

This section identical with the international standard ISO 11024-1:1998 "Oil Gas chromatographic General Guide Part 1. Standard Gas GC create an image of. " this section of the Appendix A, Appendix B is an informative annex.

This part is proposed by the China National Light Industry Council.

This part of the National Fragrance Flavor and Cosmetic Standardization Technical Committee (SAC/TC257) centralized.

This section is drafted. Shanghai Institute of spices, spice Tengzhou Wu Tong Co., Ltd., Shanghai Warburg Peacock Flavors & Fragrances Co.

The company, Anhui Fengle spices limited liability company, Kunming Ai harmonic spice Manufacturing Co.

1 Scope

This section GB/T 26515 gives the essential oil by gas chromatography to determine the image by capillary column gas chromatography - General guidance.

Gas chromatographic and physical-chemical properties, is one of the parameters to assess the quality of essential oils. It is identified in the development of oil standard.

Not true concentration of essential oil components as determined by gas chromatography image, but only an assessment of the relative proportions between the components.

Note: The use of essential oils GC sample images also refer to the GB/T 26515.2-2011).

1) GB/T 26515.2-2011 "Oil Gas chromatographic General Guidelines - Part 2. Oil samples using gas chromatography image" (ISO 11024-2:1998, IDT).

2 Normative references

The following documents contain provisions which, through reference GB/T 26515 in this section constitute provisions of this section. For dated references, all subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encourage an agreement under this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 11538 oils by capillary column gas chromatography - General method (GB/T 11538-2006, ISO 7609. 1985, IDT) ISO 356 oil sample preparation (Essential oils-Preparation of test samples)

3 Terms and Definitions

The following terms and definitions apply to this part of the GB/T 26515 of.

Representative component representative components the essential oils are more or less all of the samples contained components.

Example.

Geranyl geraniol formate (refined) oil contains, iso menthone, citronella, geraniol and the like.

Characteristic component characteristic components Representative of one or more components, for which the concentration of the oil in terms of characteristic.

Note: The concentration may be zero.

Example.

African Geranium contains trace amounts of 6,9-diene more invasive, and Bourbon Geranium in higher concentration.

Geranium Bourbon 10 - Table does not contain alcohol -gamma- eucalyptus oil, and its presence in Africa in geraniol.

Camphor concentration of less than 0.5% of lavender.

A typical gas chromatogram typical chromatogram the essential oils have a representative sample injection after chromatograph the resultant pattern and the pattern obtained operating conditions.

Note: The gas chromatograph is for reference only.

Gas chromatographic chromatographic profile the essential oils of some representative and

characteristic components tabulated, a predetermined concentration range of each component, if possible, these concentrations