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

GB/T 14457.2-2013

Replacing GB/T 14457.2-1993

**Fragrance/Flavor substances - Method for determination of
distillation range**

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Foreword

GB/T 14457 is divided into two parts.

--- GB/T 14457.2 Determination of boiling range of spices;

--- GB/T 14457.3 spices melting point assay. This section GB/T Part of 214,457. This section drafted in accordance with GB/T 1.1-2009 given rules. This Part replaces GB/T 14457.2-1993 "Isolate and synthetic fragrances Boiling Range assay." And GB/T 14457.2-1993 phase Ratio, the main changes are as follows:

--- Standard name from "Isolate and synthetic fragrances Boiling Range Determination" to "spice boiling range determination";

--- By the standard pressure units "hPa" read "kPa" (see 21, 1993 edition Chapter 2; see 5.2.1 and Table 1, Table 2, 1993 Version

5.2.1 and Table 1, Table 2; see Appendix A, 1993 edition Appendix A);

--- Increasing the content of the test report (see Chapter 6). 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 Spice Institute, Tianjin Product Quality Supervision and Testing Technology Research Institute. The main drafters of this section. Cao Yi, Wang Ping, Xu Yi, Zhao Fusheng. This section was first released in June 1993, this is the first revision. Determination of boiling range of spices

1 Scope

GB/T 14457.2-2013 is the Chinese national standard on fragrance/flavor substances - method for determination of distillation range, in the field of chemical technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 6 September 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 15

February 2014. Classification: ICS 71.100.60, CCS Y41. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB/T 14457 in this section specifies the method for the determination of boiling range liquid perfumes by distillation. This section applies to a boiling point in the range of 30 °C ~ 300 °C, and the distillation process chemically stable liquid fragrance boiling range Determination.

2 Terms and definitions

The following terms and definitions apply to this document.

2.1 Boiling range distillationrange In the standard state (101.325kPa, 0 °C), product standards within the specified temperature range of distillate volume. Principle

3 Measured by the known method of distillation temperature in the range of the measured volume of a distillate.

4 Instrument

4.1 bulb distillation flask. using borosilicate glass, the effective volume of 100mL, shown in Figure 1. Millimeters Figure a pipe retort

4.2 Measurement Thermometer. internal standard single bulb, there are sub-scale 0.1 °C or 0.2 °C, the range is adapted to the measured sample temperature range.

4.3 Auxiliary thermometer. There are sub-scale 1 °C, the thermometer attached to the measurement to measurement thermometer mercury ball in the exposed portion of the Great Wall of mercury