



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

GB 1886.33-2015

**National Food Safety Standard -- Food Additives -- Oil of
eucalyptus**

食品安全国家标准 食品添加剂 桉叶油（蓝桉油）

(English Translation)

Issued on: September 22, 2015

Implemented on: March 22, 2016

**Issued by: National Health and Family Planning Commission of the
People's Republic of China**

Table of Contents

Foreword...	3
1 Scope...	4
2 Technical requirements...	4
Appendix A Determination of safrole content...	6

1 Scope

This standard applies to the oil of eucalyptus (oil of blue eucalyptus) of which the essential oil, by steam distillation, is extracted from the fresh leaves and branches of eucalyptus (*Eucalyptus globulus* Labill.) or eucalyptus-genus plants (*Eucalyptus* spp.), and then prepared by distillation process; the content of cineole is not less than 80%.

2.1 Sensory requirements

The sensory requirements shall meet the requirements in Table 1.

Appendix A

Determination of safrole content

A.1.1 Chromatograph: According to the provisions in Chapter 5 of GB/T 11539-2008.

A.1.2 Column: packed column.

A.1.3 Detector: hydrogen flame ionization detector.

A.2.1.1 Benzene: Analytically pure, the chromatographical determination purity is at least 99% under test conditions.

A.2.1.2 Safrole: Under test conditions, the chromatographical determination purity is at least 99%.

A.2.2 Preparation of standard solution with safrole content of 0.002%

Accurately weigh $1.000\text{g} \pm 0.0002\text{g}$ of safrole in a 500mL volumetric flask; dilute to the mark with benzene, and shake well. Accurately absorb 1.0mL of this solution in a 100mL volumetric flask; dilute to the mark with benzene; shake well for use.

A.3 Determination method

Area normalization method: Determine the content of safrole according to 10.4 in GB/T 11539-2008. Determine the standard solution (A.2.2) and the sample, respectively; the injection volume shall be the same. Compare the peak-area of safrole in the two chromatograms.

A.4 Repeatability and result expression

Carry out according to the provisions of 11.4 in GB/T 11539-2008.

The gas chromatogram of safrole in food additive oil of eucalyptus (oil of blue eucalyptus) and safrole standard solution is shown in Appendix B.

.....