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

**中华人民共和国国家标准**

**GB 3861-2008**

**Replace GB 3861-1983**

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**Food additive—Vanillin**

**食品添加剂 香兰素**

**Issued on December 03, 2008**

**Implemented on June 01, 2009**

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**Issued by General Administration of Quality Supervision, Inspection  
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of  
China**

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## Foreword

**4.2, 4.3, 4.6, 4.7 and 4.8 of this standard are compulsory and the rest are recommended.**

The modification of technical requirements of this standard adopts *Vanillin* standard [JECFA 889 (year 2001, Session 57)] formulated by Joint FAO/WHO Expert Committee on Food Additives (JECFA).

This standard substitutes GB 3861-1983 *Food Additive Vanillin*.

Compared with GB 3861-1983, this standard is modified in the following contents:

- The chapter of “2 Normative References” is added;
- The determination of content is added;
- Annex A Typical Gas Chromatogram is added.

Annex A to this standard is an informative annex.

This standard is put forward by China National Light Industry Council.

This Standard is under the management of China Technical Committee of Standardization on Food Additives (CTCSFA).

This standard is drafted by China Jiaying Zhonghua Chemical Industry Co., Ltd. and SRIFFI.

Main drafters of this standard: Mao Haifang, Cao Zhonglin, Jin Qizhang, Xu Yi, Zou Bingqi and Cao Yi.

The release information of all previous versions of standard substituted by this standard:

- GB 3861-1983

# Food Additive Vanillin

## 1. Scope

This standard stipulates the requirements, test methods, inspection rules, mark, packing, transportation, storage and quality guarantee period for food additive vanillin.

This standard is applied to analyze and evaluate the quality of food additive—vanillin, which takes guaiacol or liginosulfite as the raw material and is made by chemical synthesis.

## 2. Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this standard. For the undated documents so quoted, the latest editions shall be applicable to this standard.

GB/T 5009.74 Method for limit test of heavy metals in food additives

GB/T 5009.76 Determination of arsenic in food additives

GB/T 11538-2006 Essential oil - Analysis by gas chromatography on capillary columns - General method (ISO 7609: 1985, IDT)

GB/T 11539-2008 Fragrance/Flavor substances - Analysis by gas chromatography on packed columns - General method (ISO 7359: 1985, IDT)

GB/T 14454.2 Fragrance/Flavor substances - Method for valuation of odour

GB/T 14455.3 Fragrance/Flavor substances—Evaluation of solubility (miscibility) in ethanol (GB/T 14455.3-2008, ISO 875: 1999, MOD)

GB/T 14457.3 Fragrance/Flavor substances - Method for determination of melting point

## 3. Chemical name of product, molecular formula, structural formula and relative molecular mass

3.1 Chemical name: 3- methoxy-4- hydroxy benzaldehyde .

CAS No.: 121-33-5.

3.2 Molecular formula: C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>.

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