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

GB 3861-2008

**Food additive -- Vanillin
(English Translation)**

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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.

This standard's technical requirements modifies and adopts "Vanillin" standard [JECFA

889 (year 2001, Session 57)] formulated by FAO/WHO Joint Expert Committee on Food

Additives (JECFA).

This standard replaces GB 3861-1983 "Food Additive - Vanillin".

Compared with GB 3861-1983, the main changes of this standard are as follows.

- ADD Chapter "2 Normative References";
- ADD the determination of content;
- ADD Annex A Typical Gas Chromatogram.

Annex A of this standard is informative.

This standard was proposed by China National Light Industry Council.

This Standard shall be under the jurisdiction of China Technical Committee of Standardization on Food Additives (CTCSFA).

This standard is drafted by Zhejiang Jiaxing City Zhonghua Chemical Industry Co., Ltd. and Shanghai Spices Institute.

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

The previous editions replaced by this standard.

- GB 3861-1983.

Food Additive - Vanillin

1 Scope

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

This standard is applicable to analyzing and evaluating the quality of food additive - vanillin, which takes guaiacol or sulfite pulp waste lignin as the raw material and is made by chemical synthesis.

2 Normative references

The articles contained in the following documents have become part of 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 Product's chemical name, molecular formula, structural

formula, and relative molecular mass

6.4 If there is one indicator not conforming to the requirements of this standard in the

acceptance result, then double sampling can be done for re-inspection. If there is still an unqualified indicator in re-inspection result, then this batch of products are deemed as unacceptable.

6.5 When the supplier and purchaser have a dispute over product quality, both parties

may solve it through agreement, or the dispute can be arbitrated by legal inspection agency.

7 Mark, packing, transportation, storage and quality guarantee

period

7.1 Mark

Product outer packing shall be marked with the words "food additive", product name, manufacturer name and address, trademark, batch number, net weight, production date, quality warranty period, license number, and standard number. If there are special requirements, the customer can sign a separate agreement with manufacturer.

7.2 Packing

Food additive vanillin shall be installed in a clean polyethylene-lined fiber-can or tin-can without foreign flavor, and be packed according to customer's requirements.

7.3 Transportation

It shall be handled gently in the transportation process, and shall avoid sunshine and rain. It must not be mixed with toxic or hazardous substance. It shall meet the regulations of relevant departments.

7.4 Storage

The product shall be stored in a shady, dry and ventilated warehouse; avoiding foreign gas contamination and keeping away from fire.

7.5 Quality warranty period

Under the circumstances of required transportation and store conditions, intact packing and sealing, the product warranty quality period is two years. If it is overdue, inspect whether it meets the requirements of this standard; if passing the inspection, it can still be used.

Peak number.

2 - vanillin.

Figure A.1

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