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

GB/T 12729.13-2008

Replacing GB/T 12729.13-1991

Spices and condiments -- Determination of filth

香辛料和调味品 污物的测定

(English Translation)

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Foreword

GB/T 12729 "Spices and condiments" consists of the following components.

- GB/T 12729.1 Spices and condiments name
- GB/T 12729.2 Spices and condiments - Sampling Methods Preparation --- GB/T 12729.3 Spices and seasoning powder sample analysis
- GB/T 12729.4 Spices and condiments - Determination of fineness of grinding (hand sieving method) Determination --- GB/T 12729.5 spices and condiments extraneous matter content
- GB/T 12729.6 Spices and condiments - Determination of moisture content (distillation)
- GB/T 12729.7 Spices and condiments - Determination of total ash
- GB/T 12729.8 Spices and condiments - Determination of water-insoluble ash Determination --- GB/T 12729.9 Spices and condiments acid insoluble ash
- Determination of GB/T 12729.10 Spices and condiments alcohol extract
- GB/T 12729.11 Spices and condiments - Determination of cold water-soluble material extraction Determination --- GB/T 12729.12 Spices and condiments non-volatile ether extract Determination --- GB/T 12729.13 Spices and condiments dirt this section GB/T Part of 1,312,729.

The partial modification of the use of ISO 1208. 1982 "Spices and condiments - Determination of filth" (in English), the main differences are.

- Remove the ISO 1208. 1982, Chapter 10 "test";
- Collected bottles made to simplify the illustration, only indicate the structure diagram, remove the use of FIG.

This part is GB/T 12729.13-1991 "Spices and condiments - Determination of filth," the

amendment. And GB/T 12729.13-Compared to 1991, in text format and made some editorial changes, specific technical contents unchanged.

This Part replaces GB/T 12729.13-1991.

Appendix A of this section is an informative annex.

This part by the China Federation of Supply and Marketing Cooperatives and focal points.

1 Scope

This section GB/T 12729 specifies the determination of spices and condiments in the dirt.

This section applies to spices and condiments Determination of dirt.

2 Normative references

The following documents contain provisions which, through reference GB/T 12729 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 12729.2 Spices and condiments sampling method (GB/T 12729.2-2008, ISO 948. 1980, NEQ)

3 Terms and Definitions

The following terms and definitions apply to this part of the GB/T 12729 of.

Under the conditions specified in this section, separated from the sample inorganic impurities (sand, earth) and animal dirt (fragments of insects, rodents Hair and excrement).

Principle 4

Samples washed with chloroform (if necessary, first extracted with petroleum ether), to check whether the wash heavy dirt and sand, soil. Washed with water samples (with or without trypsin treatment), followed by the addition of petroleum ether with stirring, will gather at the interface between the two liquid light dirt transferred to filter paper, using microscopy Mirror to check for animal dirt.

5 Reagents

5.1

chloroform. AR.

5.2

Carbon tetrachloride. analytically.

5.3

trypsin solution. use in line with the requirements of Appendix A trypsin, refrigerated temperature is 10 °C. Trypsin solution was prepared as follows.

10g of trypsin added 100mL temperature does not exceed 40 °C warm water mixed with mechanical stirring 10min stirring or placed in a batch 30min. 100mm ~ 125mm diameter of 60 ° funnel loosely a 100mm thick cotton pad, the solution was poured onto Face, repeated filtration. If the filter is very slow, with a Buchner funnel, suction filtration through fast filter paper. If the filter is still slow, if necessary heavy Complex until the solution was filtered quickly through a filter paper (soluble trypsin directly through the suction filter). Each 10g trypsin filtrate was diluted to 100mL.

5.4 50g/L of trisodium phosphate ($\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$) was added.

5.5

formaldehyde. 38% (volume fraction).

5.6

petroleum ether. AR (boiling range 30 °C ~ 60 °C).

5.7

petroleum ether. AR (boiling range 60 °C ~ 90 °C).

6 Main instruments

6.1

collection bottle. 1000mL Erlenmeyer flask, interpolating a metal rod, the lower end of the rod is provided with a rubber stopper. Metal rod diameter 5mm, higher than the bottle