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

SN/T 0801.12-2010

Replacing SN/T 0801.12-1999

**Animal and vegetable oils and fats for import and export. Part
12: Flashpoint limit test using Pensky-Martens closed cup flash
tester**

进出口动植物油脂 第12部分：闪点限值试验 宾斯基-马丁闭口杯法
(English Translation)

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Foreword

SN/T 0801 "Importers and animal fat" is divided into 24 parts.

- Part 1. Importers animal fat insoluble impurities test method;
- Part 2. Import-export animal fats phosphorus testing methods;
- Part 3. Importers animal fat peroxide value test method;
- Part 4. Importers animal fats washer off the heating test testing methods;
- Part 5. import and export inspection method of animal fat melting point;
- Part 6. Determination of Importers and animal fat deposits;
- Part 7. Importers animal fat insoluble bromide test;
- Part 8. Importers animal fat proportion of test methods;
- Part 9. Importers animal fats transparency, smell, taste testing methods;
- Part 10. Importers animal fat cloud point test method;
- Part 11. Importers animal fat oils foot test methods;
- Part 12. Importers animal fats flash point limit test Pensky - Martens closed cup method;
- Part 13. Importers animal fat dry time test method;
- Part 14. Importers animal fat color test methods;
- Part 15. Importers animal fat unsaponifiable matter inspection method;
- Part 16. Test method Importers and animal fats phosphoric acid test value;
- Part 17. Importers animal fat fatty freezing point test method;

Importers and animal fats moisture and volatile test methods;. --- Part 18

--- Part 19. Import and Export Animal and vegetable fats and free fatty acid value test method;

--- Part 20. Importers animal fats hydroxyl value testing methods;

--- Part 21. Importers animal fats chlorophyll test methods;

--- Part 22. Animal and vegetable fats and export polyethylene polymer testing methods;

--- Part 23. Importers animal and vegetable oils and fats residual solvent testing methods;

--- Part 24. Determination of moisture and export Animal and vegetable fats Karl Fischer method.

This section SN/T Part of 120,801.

This section drafted in accordance with GB/T 1.1-2009 given rules.

The partial replacement of SN/T 0801.12-1999 "Importers and animal fats closed cup flash point test method." this section compared with the SN/T 0801.12-1999, main technical changes are as follows.

--- Change the name of this part of the Chinese "Importers and animal fats - Part 12. Flash Point Limits Test Pensky - Martens closed Cup ", the English name to "Animal and vegetable oils and fats for import and export-Part 12.

Flash point limit test using Pensky-Martens closed cup flash tester ";

--- This section is measured flashpoint limit animal fats, and the original standard is determined flash point of animal and vegetable oils;

--- This section uses a single ignition test flash-limits, and the original standard uses multiple ignition test;

--- Sample was dehydrated with anhydrous copper sulfate reagent amended as anhydrous sodium sulfate.

The partial modification of the use of ISO 15267:1998 "Animal and vegetable fats flash point limit test Pensky - Martens closed cup method", and ISO 15267:1998 no technical difference.

For ease of use, this section made the following editorial changes.

--- To the ISO 15267 "this International Standard" to "this Part";

--- Deleted international standards foreword;

--- The application of international standards by the scope of "Animal and vegetable fats and oils of marine animals" to "import and export as well as edible animal fats Marine

animal oil ";

--- Normative references ISO standard will modify the corresponding national standards or industry standard for entry-exit inspection and quarantine;

--- 4.1 Pensky - Martin Closed Cup Tester added textual description "automatic or manual instruments, the detailed requirements see GB/T 261. If Using automated equipment, in strict accordance with the instructions commissioning and operation of the instrument. Under certain circumstances, the use of electronic ignition and flash point tester the use of gas ignition flash point tester may get different test results. When the dispute, the manual method for gas ignition the arbitration method ";

--- International standards 8.1.1 and 8.1.2 change Note.

Please note that some content of this document may involve patents, the issuing authority of this document does not assume responsibility for the identification of these patents.

This section proposed and managed by the National Certification and Accreditation Administration Committee.

1 Scope

SN/T 0801 This section specifies the test methods for the import and export of animal fats flash point limit.

This section applies to edible animal fats and oils of marine animals.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the edition are not applicable to the present file. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 261 Flash Point by Pensky - Martens closed cup method (GB/T 261-2008, ISO 2719:2002, MOD) GB/T 15687 animal and plant oils prepared sample (GB/T 15687-2008, ISO 661:2003, IDT) SN/T 0800.1 and export grain, feed inspection sampling and sample preparation methods

3 Method summary

Oil sample at a constant stirring rate lower heating. When the oil sample temperature reaches a predetermined temperature, the test flame is introduced oil cup.

If you have a greater flame cup, and immediately the expansion of the sample surface, the sample flash fire. Be careful not to flash fire with real flame test week Blue aura around confused.

4 Instrument

4.1

Pensky - Martin Closed Cup Tester. automatic or manual instruments, the detailed requirements see GB/T 261. If using an automated instrument, should be strictly according to the specification Instrument commissioning and operation of the instrument. Under certain circumstances, the use of electronic ignition and flashpoint apparatus using the gas ignition flash point tester may get Different test results. When the dispute, the manual method using a gas ignition as arbitration.

4.2

Thermometer. 10 °C ~ 200 °C. You can also use IP thermometer 101 °C, the temperature range of 20 °C ~ 150 °C.

4.3

rotating centrifuge. You can use 120mL centrifuge tube.

4.4

plug tube. 120mL.

5 Reagents

Anhydrous sodium sulfate, AR.

6 Sampling

6.1

sampling method according to SN/T 0800.1 performed.