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

SN/T 0801.8-2010

Replacing SN/T 0801.8-1999

**Determination of density in animal and vegetable oils and fats
for import and export**

进出口动植物油脂密度检验方法

(English Translation)

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Foreword

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

- Part 1. Test method of insoluble impurities;
- Part 2. phosphorus testing methods;
- Part 3. peroxide value test method;
- Part 4. Washer off the heating test testing methods;
- Part 5. Test methods melting point;
- Part 6. Determination of sediment;
- Part 7. Test insoluble bromide;
- Part 8. density test methods;
- Part 9. transparency, smell, taste testing methods;
- Part 10. cloud point test methods;
- Part 11. Oil foot test methods;
- Part 12. Flash Point Limits Test Pensky - Martens closed cup method;
- Part 13. Test method for drying time;
- Part 14. color test methods;
- Part 15. unsaponifiables test methods;
- Part 16. Test method phosphoric acid test value;

- Part 17. fatty acid freezing point test method;
- Moisture and volatile matter test methods;. --- Part 18
- Part 19. free fatty acid value and test methods;
- Part 20. hydroxyl value testing methods;
- Part 21. Chlorophyll test methods;
- Part 22. the polyethylene polymer testing methods;
- Part 23. Inspection of residual solvent;
- Part 24. Determination of moisture content Karl Fischer method.

This section SN/T Section 80801 of.

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

The partial replacement of SN/T 0801.8-1999 "Importers animal fat proportion of test methods." this section compares the SN/T 0801.8-1999, the main technical changes are as follows.

- The test items from the "proportion" to "density", has been amended accordingly in the results of the calculation;
- Appears on the case of the sample at the test temperature solidification phenomena and how to obtain a clear oil samples to specific requirements;
- Additions Appendix A lists at 0 °C ~ 40 °C distilled water density;
- Original standard "r value" (animal fats temperature difference between the average density of each correcting the number 1 °C) to "gamma", this correction coefficient plus single Bit " $\text{g}/(\text{cm}^3 \cdot ^\circ\text{C})$ ", the original standard "r value" single defined as 0.00064, now part of the common animal and vegetable oils gamma Values are listed in Appendix B, using the respective gamma value different kinds of animal and vegetable oils results.

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

1 Scope

SN/T 0801 This section provides import and export of animal and vegetable oils and fats liquid density test.

This section applies to a clear liquid state import and export of animal and vegetable oils and fats liquid density measured at 40 °C or less.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 4472-1984 Chemical density, relative density measurement General SN/T 0798 import and export grain, feed inspection test Terminology SN/T 0800.1 and export grain, feed inspection sampling and sample preparation methods SN/T 2389.2-2009 Import and Export container weight regulations animal and vegetable oils shore vertical metal tank static weight

3 Terms and Definitions

Terms and definitions SN/T 0798 defined apply to this document.

4 Sampling and sample preparation

According to SN/T 0800.1 performed.

5.1 Reagents and materials

Warning. chromic acid lotion used in the test solution is highly corrosive, the operation should wear latex gloves 5.1.1 ethanol, AR.

5.1.2

ether, AR.

5.1.3

chromic acid lotion.

5.1.4

carbon dioxide-free distilled water.

5.1.5

Qualitative filter paper.

5.2 Instrument

5.2.1

pycnometer. with a thermometer 25mL or 50mL pycnometer.

5.2.2

water bath. temperature control accuracy of 0.1 °C.

5.2.3

Analytical Balance. a sense of the amount of 0.0001g.