

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

SN/T 0839.1-2011

Replacing SN/T 0839.1-1999

**Industrial glycerines for import and export. Part 1: General rules
for samples and test methods**

进出口工业甘油 第1部分：样品与试验方法通则
(English Translation)

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Table of Contents

Foreword

1 Scope

2.1 Preparation of laboratory samples and specimens

2.2 Temperature

2.3 Preparation and dilution of the solution

Foreword

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

SN/T 0839 "Importers Glycerine" series of standards is divided into nine sections.

--- Part 1. General test method and sample;

--- Part 2. Determination of acid, alkalinity titration;

--- Part 3. Determination of sulfated ash weight of the law;

--- Part 4. Karl Fischer determination of water;

--- Part 5. Determination of ash - Gravimetric method;

--- Part 6. Calculation of non-glycerol organic matter;

--- Part 7. Determination of glycerol content titration;

--- Part 8. diethyl dithiocarbamate spectrophotometric determination of arsenic content of silver;

--- Part 9. Purification of glycerol 20 °C density.

This section SN/T 0839 "Importers Glycerine" series of standards - Part 1.

The partial replacement of SN/T 0839.1-1999 "Import and Export of industrial glycerine sample and test methods General." Part SN/T 0839.1-1999 no technical difference between the present and only in accordance with GB/T 1.1-2009 made the following editorial changes.

--- Standard name changed to "import and export of industrial glycerine sample and test methods - General";

--- Added Appendix A.

This section proposed and managed by the National Certification and Accreditation

Administration Committee.

1 Scope

SN/T 0839 provisions of this part of the general principles of sample preparation and test methods for the import and export of industrial glycerol.

This section applies to glycerol content greater than 75% of crude or refined glycerin.

This part of the test method involves the following items related to testing standards, see Appendix A.

- a) Determination of acidity or alkalinity;
- b) Determination of sulfated ash;
- c) sampling;
- d) Determination of Water;
- e) Determination of ash;
- Determination f) 20 °C density (purified glycerin);
- g) Determination of arsenic;
- h) Determination of glycerol content;
- i) the calculation of non-glycerol organic matter.

Test Method 2

The following applies to all of the above measurement items.

2.1 Preparation of laboratory samples and specimens

2.1.1

If you want all the items measured, there should be a representative sample of 500g.

2.1.2

Since glycerol can easily absorb moisture, samples must be sealed in a glass bottle and store away from moist air. Sample bottle to be filled to 2/3 height Degrees is appropriate, in order to mix the sample. Concentrated glycerin or glycerol containing suspended material, before each dispensing samples, laboratory samples must be heated to no Exceed 60 °C, and mix well.

2.2 Temperature

In the absence of specific instructions, all of the volume should be measured or converted to volume at 20 °C, 20 °C, titration should be 20 °C $\pm$ 5 °C Carried out, other tests should

be carried out under the specific requirements of the relevant standards.

2.3 Preparation and dilution of the solution

Preparation and dilution of the solution should use distilled water or equivalent purity, detailed requirements see the relevant testing standards provisions.

When the process requires the use of carbon dioxide-free water, you can choose the preparation of the following three methods. After preparation, the connection bottle of soda lime and dried Tube to isolate carbon dioxide in air.

- a) carbon dioxide-free deionized water;
- b) distilled water, boiled 20min, cooled in carbon dioxide-free environment;