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

GB/T 13206-2022

Replacing GB/T 13206-2011

Glycerines

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020 "Directives for standardization - Part

1. Rules for the structure and drafting of standardizing documents". This document replaces GB/T 13206-2011 "Glycerin". Compared with GB/T 13206- 2011, in addition to the structural adjustments and editorial modifications, the main changes in this document are as follows:

a) Change the requirements for color index (see

5.2 of this Edition;

4.2 of Edition 2011);

b) Add the requirements for diethylene glycol content index (see

5.2 of this Edition). Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority shall not be held responsible for identifying any or all such patent rights. This document was proposed by China Light Industry Federation. This document shall be under the jurisdiction of National Technical Committee on Surfactants and Detergents of Standardization Administration of China (SAC/TC 272). The drafting organizations of this document. China Institute of Daily Chemistry Co., Ltd., Zanyu Technology Group Co., Ltd., Hangzhou Zanyu Oil Technology Co., Ltd., Fujian Mengjiaolan Daily Chemical Co., Ltd., Guangdong Opex Lubrication

Technology Co., Ltd., Fengyi Oil Technology Co., Ltd. Company, Pony Testing Group Co., Ltd., Perfect (Guangdong) Daily Necessities Co., Ltd., Qingyuan Yaokang Biotechnology Co., Ltd., Guangzhou Jiadele Biochemical Technology Co., Ltd., Zhongqing Daily Chemical Inspection and Certification Co., Ltd. Main drafters of this document. Li Xiaorui, Xu Kunhua, Xu Hai, Yu Xinlin, Chen Jinyang, Fan Chengdong, Hu Minjun, Fu Yu, Shi Fei, Wang Yong, Xu Huaiyi, Li Xiaohui. Versions of standard substituted by this document are. - It was first issued as GB/T13206-1991 in 1991. It was first revised in 2011; - This is the second revision. Glycerines

1 Scope

GB/T 13206-2022 is the Chinese national standard on glycerines, in the field of chemical technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 December 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2023. Classification: ICS 71.100.40, CCS Y43. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the requirements, test methods, inspection rules, as well as marking, packaging, transportation, storage and shelf life for glycerines (glycerol). This document applies to industrial refined glycerine produced from glycerin- containing sweet water produced by saponification, hydrolysis or transesterification of animal and vegetable oils and fats.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 6682, Water for analytical laboratory use -- Specification and test methods

GB/T 8170, Rules of rounding off for numerical values and expression and judgement of limiting values

GB/T 13216, Test methods for glycerine

3 Terms and definitions

There are no terms or definitions to be defined in this document.

4 Product structure

Relative molecular mass. 92.09 (1987 international atomic weight)

5 Requirements

5.1 Traits It shall be a colorless or slightly yellow transparent viscous liquid.

6 Test methods

6.1 Basic requirements Unless otherwise stated, only reagents confirmed to be analytically pure and grade three or above water complying with GB/T 6682 are used in the analysis.

6.2 Appearance Sensory determination.

6.3 Odor Carry out in accordance with the provisions of GB/T 13216.

6.6 Density Carry out in accordance with the provisions of GB/T 13216.

6.7 Chloride content Carry out in accordance with the provisions of GB/T 13216.

6.8 Sulfated ash Carry out in accordance with the provisions of GB/T 13216.

6.9 Acidity or alkalinity Carry out in accordance with the provisions of GB/T 13216.

6.10 Saponification equivalent Carry out in accordance with the provisions of GB/T 13216.

6.11 Arsenic content Carry out in accordance with the provisions of GB/T 13216.

6.12 Heavy metal content Carry out in accordance with the provisions of GB/T 13216.

6.13 Reducing substances

6.13.1 Reagents The reagents used are as follows:

6.14 Diethylene glycol content Carry out in accordance with the provisions of GB/T 21842.

7.1 Inspection classification

7.1.1 Exit-factory inspection The exit-factory inspection items include all items in Chapter 5 except arsenic content, heavy metal content, sulfated ash content, and diethylene glycol content.

7.1.2 Type inspection The type inspection items include all items specified in Chapter

5. Type inspection shall be carried out under the following circumstances.

7.2 Batching and sampling rules

7.2.1 Batching Products of the same type, specification, and batch number delivered at one

time from a delivery batch. Products must be inspected by the quality inspection department of the manufacturer in accordance with the test methods specified in this document, and a quality certificate must be issued before leaving the factory. The receiver shall take samples for acceptance within one month after the goods arrive according to 7.2.2.

7.3 Determination rules The inspection results are determined according to the rounding value comparison method of GB/T 8170. If one or more indicators do not meet the requirements of this document, double sampling shall be taken from the delivery batch again. Re-inspect the unqualified items. If the re-inspection results comply with the provisions of this document, the batch of products will be deemed qualified. If it still fails, the batch of products will be deemed to be unqualified.

8 Marks, packaging, transportation, storage and shelf life

8.1 Marks The marks (patterns and text) printed on the outside of product packaging containers shall be clear, non-fading, and indicate.

8.2 Packaging Product packaging shall use aluminum drums (with iron reinforced frames), plastic drums, zinc-coated or resin-coated iron containers. Barrels and cans shall be tightly covered and sealed to prevent leakage and moisture absorption.