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**CEYLON STANDARD SPECIFICATION FOR
CRUDE GLYCERINE (GLYCEROL)**

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BUREAU OF CEYLON STANDARDS

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C. S. 140 : 1972

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CEYLON STANDARD SPECIFICATION FOR CRUDE GLYCERINE (GLYCEROL)

FOREWORD

This Ceylon Standard Specification has been prepared by the Drafting Committee on Glycerine (Glycerol). It was approved by the Agricultural and Chemicals Divisional Committee of the Bureau of Ceylon Standards and was authorised for adoption and publication by the Council of the Bureau on 4th May, 1972.

Crude glycerine is one of the important products of the Oils and Fats Industry and is one of the non-traditional exports of Ceylon.

Crude glycerine, used mainly in the manufacture of various grades of refined glycerine, consists of the two grades, viz:

- (a) Soap lye crude glycerine; and
- (b) Hydrolyser (saponification) crude glycerine.

These two grades are being manufactured in Ceylon.

This Standard prescribes the requirements and the methods of test for the two grades of crude glycerine which are being manufactured. It does not cover the refined grades.

Dimensions and other characteristics in this specification are given in SI units with equivalent values in Imperial and/or technical metric units.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value observed or calculated expressing the result of a test, shall be rounded off in accordance with C.S. 102 : Ceylon Standard on Presentation of Numerical Values. The number of figures to be retained in the rounded off value shall be the same as that of the specified value in this standard.

In the preparation of this standard, the assistance obtained from the publications of the British Standards Institution and the Indian Standards Institution is acknowledged.

1. SCOPE

This standard prescribes the requirements and the methods of test for crude glycerine.

2. GRADES AND TYPES

The crude glycerine shall be classified into the following two grades and types.

Grade (i) Soap lye	Grade (ii) Hydrolyser
(a) Type I	(Saponification)
(b) Type II	

3. DESCRIPTION

- 3.1 Soap lye crude glycerine** - The material shall be a viscous liquid prepared by evaporation of the purified lyes obtained as a by-product from the manufacture of soap by the boiling process.
- 3.2 Hydrolyser (Saponification) crude glycerine** - The material shall be a viscous liquid prepared by evaporation of the sweet water obtained from the hydrolysis of oils and fats.

4. REQUIREMENTS

- 4.1** The soap lye and hydrolyser (Saponification) crude glycerine shall comply with the requirements given in columns (3) and (4) of Table 1 respectively and also in clauses 4.2 and 4.3.
- 4.2** The matter (organic) non-glycerol, MONG when calculated by method described in Appendix F should not exceed 2.5 and 1.5 percent in soap lye and hydrolyser (saponification) crude glycerine respectively. If MONG does not exceed 2.0 and 1.0 percent respectively, there is no need to determine the non volatile organic residue [Table I (iv)].