

(PREVIEW)

Indian Standard

METHODS OF SAMPLING AND TEST FOR SOAPS

0. FOREWORD

0.1 This Indian Standard (Second Revision) was adopted by the Indian Standards Institution on 12 December 1978, after the draft finalized by the Soaps and Other Surface Active Agents Sectional Committee had been approved by the Chemical Division Council.

0.2 This standard was first published in 1951 and subsequently revised in 1966. In this revision the procedure for determination of matter insoluble in alcohol has been elaborated. Provision has been made for calculation of total fatty matter while determining combined alkali and total anhydrous soap. Similarly provision has also been made for calculation of neutral sodium silicate content while determining alkaline silicates. For determination of glycerol content in soaps a concentration of 6 percent of sodium periodate in place of 2 percent hitherto prescribed has been included which improves the repeatability of the method. An alternate method for estimation of rosin acids without the use of β -naphthalene sulphonic acid has been added. An additional method for determination of free carbonated alkali has been included. Amendment No. 1 has been incorporated in this revision.

0.3 This standard is intended to facilitate the introduction of uniform methods of sampling and analysis of soaps. It is a necessary adjunct to the Indian Standards on individual materials.

0.4 The methods given in this standard substantially correspond to the following standards of the International Organization for Standardization (ISO) :

ISO/R 455-1965 Analysis of soap. Determination of total crude fatty acids.

ISO 456-1973 Analysis of soap. Determination of free caustic alkali.

- ISO 457-1976 Analysis of soap. Determination of chlorides.
ISO/R 672-1968 Analysis of soaps. Determination of moisture and volatile matter.
ISO 673-1974 Analysis of soaps. Determination of foreign matter of low solubility in ethanol.
ISO 684-1974 Analysis of soaps. Determination of total free alkali.
ISO 685-1975 Analysis of soaps. Determination of total alkali.
ISO 1066-1975 Analysis of soaps. Determination of glycerol.
ISO 1067-1974 Analysis of soaps. Determination of unsaponifiable and unsaponified matter.

0.5 In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS : 2-1960*.

1. SCOPE

1.1 This standard prescribes methods of sampling and test for soaps.

1.2 Should there be any discrepancy between the requirements of this standard and the one for an individual material specification, the latter shall prevail.

*Rules for rounding off numerical values (*revised*).

†Glossary of terms relating to surface active agents.