

SINGAPORE STANDARD

Specification for liquid hand soap



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The organisations in which the experts of the Working Group are involved are:

Arch Chemicals Singapore Pte Ltd

Environmental Management Association of Singapore

Health Sciences Authority

Lam Soon Singapore Pte Ltd

National Environment Agency

NTUC FairPrice Co-operative Ltd

Procter & Gamble

Setsco Services Pte Ltd

TUV SUD PSB Pte Ltd

Universal Integrated Corporation Consumer Products Pte Ltd

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Foreword

This Singapore Standard was prepared by the Working Group on Fast-moving Consumer Goods appointed by the Technical Committee for Chemistry under the direction of the Chemical Standards Committee.

There is currently no known standard in Singapore that specifies the quality of liquid hand soap or a standard that is referred to by purchasers or agencies involved in the purchase and usage of liquid hand soap. With the emphasis on proper handwashing procedures, this Singapore Standard is developed to provide the minimum quality requirements for liquid hand soap.

In preparing this standard, references were made to the following publications:

BS 1545 : 1990	Specification for liquid toilet soap
BS 4405 : 1990	Specification for liquid soap
EC Regulation No 648/2004 of the European Parliament and of the Council of 31 March 2004	Detergents
GB/T 13173 : 2008	Surface active agents – Detergents – Testing methods
QB 1994 - 2004	Bath agents and shower agents
QB 2654 - 2004	Hand cleaner
SS 231 : 2013	Specification for laundry detergent powder for household use in manual washing

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International Organization for Standardization	Clauses 3.1 and 3.2 are from ISO 9000:2015
BSI Standards Ltd	The test method for total fatty matter described in Table 1 is from Appendix A of BS 1545:1990
Standardization Administration of China	Annex A is from Clause 7 of GB/T 13173: 2008
European Union	Annexes B and C of this standard are from EC Regulations No. 648/2004 on detergents, Annexes II and III (http://eur-lex.europa.eu , © European Union, 1998-2016)

Acknowledgement is made for the use of information from the above publications.

At the time of publication, this standard is expected to be used by manufacturers, importers, distributors and retailers of liquid hand soap, commercial testing laboratories as well as related government agencies and associations.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*
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Specification for liquid hand soap

1 Scope

This Singapore Standard defines the specifications of liquid hand soap meant for direct application to the skin exclusively for hand cleansing purposes. It covers the requirements for soap-based and synthetic surfactant-based liquid hand soap.

This standard excludes alcohol-based hand products that do not require rinsing. This standard is not intended to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2 Normative references

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

ISO 673	Soaps – Determination of content of ethanol-insoluble matter
BS 1715-2.1/ISO 685	Analysis of soaps. Quantitative test methods. Method for determination of total alkali content and total fatty matter content
BS 1715-2.2/ISO 684	Analysis of soaps. Quantitative test methods. Method for determination of total free alkali content
ISO 4316	Surface active agents – Determination of pH of aqueous solutions – Potentiometric method