

SINGAPORE STANDARD

SS 86 : 1988(1996)

(ICS 75.140)

SPECIFICATION FOR

Methods of sampling and testing bitumens

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Head
Standardisation Department
SPRING Singapore
2 Bukit Merah Central
Singapore 159835
Telephone: 62786666 Telefax: 62786667
Email: stn@spring.gov.sg

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CONTENTS

	Page
Foreword - - - - -	4
Method A Methods of sampling bitumen - - - - -	5
Method B Determination of ash - - - - -	14
Method C Determination of distillation of cut-back bitumen - - - - -	16
Method D Determination of ductility of bitumen - - - - -	23
Method E Determination of flash point by Cleveland Open Cup - - - - -	26
Method F Determination of flash point of cut-back bitumen by Tag Open Cup apparatus - - - - -	31
Method G Determination of loss on heating of bitumen and flux oil - - - - -	36
Method H Determination of penetration of bitumen - - - - -	40
Method I Determination of bitumen residue of 100 penetration - - - - -	46
Method J Determination of softening point of bitumen and tar (Ring-and-ball apparatus) - - - - -	49
Method K Determination of solubility of bituminous materials in trichloroethylene - - - - -	55
Method L Determination of specific gravity of solid pitch and bitumen (displacement method) - - - - -	59
Method M Determination of specific gravity and density of semi-solid bituminous material - - - - -	61
Method N Determination of kinematic viscosity of bitumens - - - - -	65
Method O Determination of water content - - - - -	78
Method P Thin-film oven test - - - - -	83
Appendix I IP thermometer specifications - - - - -	87
Appendix II ASTM thermometer specifications - - - - -	90

**SINGAPORE STANDARD
METHODS OF SAMPLING AND TESTING BITUMENS**

FOREWORD

This Singapore Standard was revised under the direction of the Chemical Product Standards Committee.

The Standard is revised to ensure that it remains relevant and adequate to the needs of the industries. In revising this standard, references were made to the following:

1. 1986 Annual Book of ASTM Standards, Volume 04.03
2. 1986 Annual Book of ASTM Standards, Volume 04.04
3. 1986 Annual Book of ASTM Standards, Volume 05.01
4. IP Standards for Petroleum and its Products – Part 1, 1986

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

NOTE

1. Singapore Standards are subject to periodical review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue either of amendment slips or of revised editions.
2. Compliance with a Singapore Standard does not exempt users from legal obligations.

METHOD A
METHODS OF SAMPLING BITUMEN

A.1 Scope

A.1.1 These methods apply to the sampling of bituminous materials at points of manufacture, storage or delivery.

A.2 Purpose

A.2.1 Sampling is as important as testing and every precaution shall be taken to obtain samples that will show the true nature and condition of materials.

A.2.2 Samples may be taken for the following purposes:

A.2.2.1 To represent as nearly as possible an average of the bulk of the materials sampled; or

A.2.2.2 To ascertain the maximum variation in characteristics which the material possesses.

A.2.2.3 To determine the specific gravity and temperature for the purpose of calculating the weight of a known volume of liquid or the volume of a known weight.

A.3 Selection Of Samples

A.3.1 Whenever practicable, bituminous materials shall be sampled at the point of manufacture or storage and at such time as to allow the tests controlling acceptance or rejection to be made in advance of shipment.

A.3.2 When the samples cannot be taken at the point of manufacture or storage, they shall be taken from the shipment immediately upon delivery.

A.4 Size Of Samples

A.4.1 Liquid materials. The size of samples shall be as follows:

- (a) For routine laboratory examination, 1 dm³.
- (b) From bulk storage, 4 dm³.
- (c) From barrels or drums, 1 dm³.

A.4.2 Semisolid or solid materials. The size of samples shall be as follows:

- (a) From barrels, drums or cakes, 1 to 1.5 kg, or
- (b) From crushed or powdered material in bulk or bags, 1 to 1.5 kg.