

SRI LANKA STANDARD 1256 : PART 6 : 2004
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METHODS OF
TEST FOR PAINTS AND VARNISHES
PART 6 : DETERMINATION OF QUANTITY OF
MATERIAL IN A CONTAINER

SRI LANKA STANDARDS INSTITUTION

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**SLS 1256 : Part 6 : 2004
(Superceding SLS 535:1981 Part 1- Section 1.7)**

Gr. 3

**SRI LANKA STANDARDS INSTITUTION
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Sri Lanka.**

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MATERIAL IN A CONTAINER

FOREWORD

This Sri Lanka Standard was approved by the Sectoral Committee on Chemical and Polymer Technology and authorized for adoption and publication by the Council of the Sri Lanka Standards Institution on 2004-01-23.

This standard was published in 1981 which superceded CS 70 : 1969. In this revision each test method is given as a separate part in order to facilitate updating. This standard supercedes SLS 535 : Part 1 : Tests on liquid paints (excluding chemical tests) Section 1.7 Determination of quantity of material in a container.

1 SCOPE

This standard prescribes a method of test for the determination of quantity of material in a container.

2 REFERENCES

SLS 523 Methods of sampling paints
SLS 1256 Methods of test for paints and varnishes
Part 5 Determination of density

3 PRINCIPLE

The quantity of material in a container is determined in terms of the mass of contents, or the volume of contents.

4 PROCEDURE

4.1 Clean the outside of the container and weigh the container and contents to an accuracy of 0.2 per cent.

4.2 Mix the contents thoroughly and, if the volume of the contents is required, take a sample for density determination using the procedure specified in **SLS 523** Methods of sampling paints.

4.3 Empty out the contents of the container, rinse the container and lid or stopper, clean them with an appropriate solvent and thoroughly dry them. Weigh the empty container, with a lid or stopper, to an accuracy of 0.2 per cent.

4.4 If the volume of the contents is required, using the sample taken in **4.2** determine the density of the product according to the method in **SLS 1256 : Part 5**.

5 CALCULATION

5.1 Mass of contents

Calculate the mass of the contents of the container m_0 , in grams, using the following formula :

$$m_0 = m_1 - m_2$$

where,

m_1 = mass, in g, of the full container; and

m_2 = mass, in g, of the empty container

5.2 Volume of contents

Calculate the volume of the contents of the container, V , in millilitres, using the following formula:

$$V = \frac{m_1 - m_2}{\rho} = \frac{m_0}{\rho}$$

where

ρ = density, in g/l of the product determined as in 4.4

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