

SRI LANKA STANDARD 1308 : 2007
UDC 642.727

SPECIFICATION FOR
BOWLS FOR ALMS MADE OF MILD
STEEL FOR BUDDHIST CLERGY

SRI LANKA STANDARDS INSTITUTION

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FOR BUDDHIST CLERGY**

SLS 1308: 2007

Gr. 4

**SRI LANKA STANDARDS INSTITUTION
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SRI LANKA.**

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SPECIFICATION FOR BOWLS FOR ALMS MADE OF MILD STEEL
FOR BUDDHIST CLERGY**

FOREWORD

This Sri Lanka Standard was approved by the Sectoral Committee on Chemicals and Polymer Technology and was authorized for adoption and publication as a Sri Lanka Standard by the Council of Sri Lanka Standards Institution on 2007-04-26.

Bowls for alms is one of the eight items included in the Atapirikara recommended by Lord Buddha for the use of Buddhist Clergy.

All standard values of this specification are indicated in SI units. For the purpose of deciding whether a particular requirement of this specification is complied with, the final value, observed or calculated, expressing the result of a test or an analysis shall be rounded off in accordance with **CS 102**. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this specification.

1 SCOPE

This specification prescribes the requirements, methods of sampling and test for bowls for alms made of mild steel for Buddhist clergy.

2 REFERENCES

- ASTM E 1028: 1993 - Standard test method for total iron content - by the dichromate titrimetric method
- | | | |
|-----|--------|---|
| ISO | 437 | Steel and cast iron –Determination of carbon content |
| ISO | 629 | Steel and iron –Determination of manganese content |
| ISO | 4829/1 | Steel and cast iron –Determination of silicon content |
| CS | 102 | Presentation of numerical values |
| SLS | 428 | Random sampling methods |
| SLS | 1222 | Porcelain tableware
Part 2 - Methods of test |

3 REQUIREMENTS

3.1 Material

The bowl shall be made of mild steel sheets of thickness 0.9 mm (gauge 20) minimum. The bowl shall comply with the requirements specified in Table 1. In case If a lid is available it shall be made of the same material as given above and of the same composition.

TABLE 1 – Requirements for bowls

Sl. No. (1)	Characteristic (2)	Requirement (3)	Method of test (4)
i)	Iron content, (as Fe), per cent by mass, min.	80	ASTM E 1028
ii)	Carbon content, (as C), per cent by mass.	0.15 - 0.25	ISO 437
iii)	Manganese content, (as Mn), per cent by mass.	0.3 – 0.5	ISO 629
iv)	Silicon content, (as Si), per cent by mass.	0.4 - 0.6	ISO 4829/1

3.2 Finish

The bowl and the lid shall be well seasoned with gingelly oil. The components shall be blackish in colour and lacquer shall not be used. The bowl, lid and the stand shall be as appropriate and free of sharp edges. The inner and outer surfaces of the bowl and the lid shall be smooth and of uniform finish. The bowl and its components shall be free from physical defects such as holes, dentures, scratch marks or stains. The finished product, bowl and the lid shall be as indicated in Figures 1, 2 and 3 respectively. A horizontal section taken from any place of the bowl shall be of circular shape.

Inclusion of the lid and the stand shall be as agreed between the supplier and the dealer.

3.3 Release of lead/cadmium

The release of lead and cadmium from inner surfaces of bowls and lids shall be in accordance with Table 2 when tested by the method prescribed in SLS 1222: Part 2.

TABLE 2 – Permissible limits for lead and cadmium release

Sl. No. (1)	Characteristic (2)	Limit (3)	Method of test (4)
i)	Lead content, (as Pb), mg/l, max.	2.5	SLS 1222 : Part 2
ii)	Cadmium content, (as Cd), mg/l, max.	0.25	SLS 1222 : Part 2

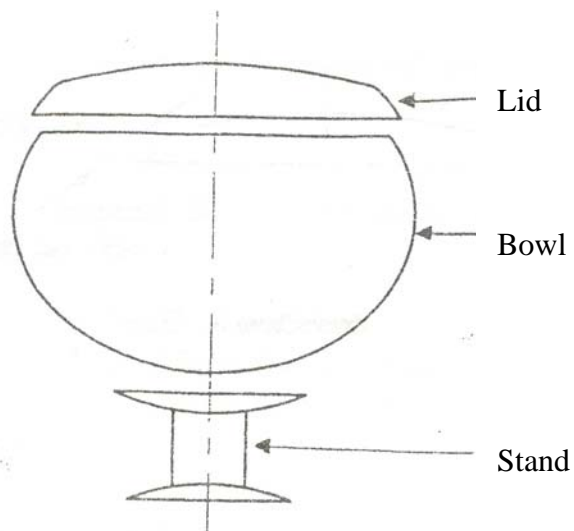


FIGURE 1 – Finished product

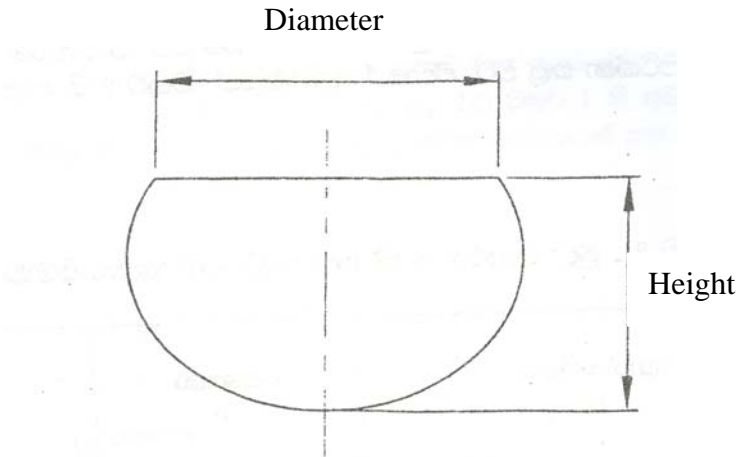


FIGURE 2 - Bowl

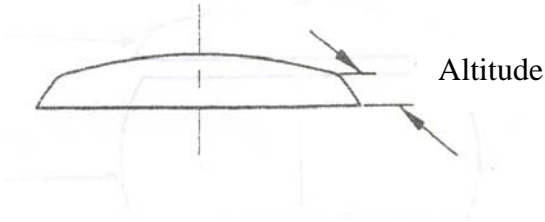


FIGURE 3 - Lid

3.4 Dimensions

Bowls shall be of two types (large and small) and the dimensions shall comply with Table 3. The shape of the lid (altitude) shall be such that when the bowl is closed with the lid, 50 mm \pm 5 mm (2 inches \pm ¼ inch) is directed downwards.

Table 3 – Dimensions of the bowls for alms

Serial no. (1)	Characteristic (2)	Requirement		Tolerance limit (5)
		Large (3)	Small (4)	
i)	Height, mm.	145	120	\pm 5
ii)	Diameter, mm.	185	160	\pm 5
iii)	Maximum circumference of the body, mm.	760	600	\pm 12

NOTE : *The equivalent for the dimensions in inches is given in Annex 1.*

4 PACKAGING AND MARKING

4.1 Packaging

Packaging shall be as agreed between the manufacturer and supplier.

4.2 Marking

The following shall be marked legibly and indelibly on a label and pasted on the exterior of the bowl.

- a) Name of product;
- b) Name of manufacturer including the country of origin;
- c) Trade mark, if any; and
- d) Date of manufacture.

NOTE

Attention is drawn to the certification facilities offered by Sri Lanka Standards Institution. See the inside back cover of this specification.

**APPENDIX A
COMPLIANCE OF A LOT**

The sampling scheme given in this Appendix should be applied where compliance of a lot to the requirements of this standard is to be assessed based on statistical sampling and inspection.

A.1 LOT

In any consignment all bowls of the same size belonging to one batch of manufacture or supply shall constitute a lot.

A.2 SCALE OF SAMPLING

A.2.1 Samples shall be tested from each lot for ascertaining the conformity of the product to the requirements of this specification.

A.2.2 Number of samples to be selected shall be as given in Column 3 of Table 4.

Table 4 – Scale of sampling

Serial no. (1)	No. of bowls in the lot (2)	No. of bowls to be selected (3)	Acceptance no. (4)
i)	Up to 25	02	0
ii)	26 to 150	03	0
iii)	151 to 500	05	0
iv)	501 to 3200	08	0
v)	3201 Onwards	13	1

A.2.3 Samples shall be drawn at random. In order to ensure randomness of selection random number tables as given in **SLS 428** shall be used.

A.3 NUMBER OF TESTS

A.3.1 Each bowl selected as in **A.2.2** shall be inspected for packaging and marking requirements specified in **4**.

A.3.2 Each bowl inspected as in **A.2.2** shall be tested for relevant requirements specified in **3**.

A.4 CRITERIA FOR CONFORMITY

A lot shall be declared as conforming to the requirements of this specification if the following conditions are satisfied:

A.4.1 Each bowl inspected as in **A.3.1** satisfies the packaging and marking requirements.

A.4.2 Number of bowls not conforming to the relevant requirements when tested as in **A.3.3** is less than or equal to the corresponding acceptance number given in Column **4** of Table **4**.

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Annex 1**Dimensions of the bowl for alms**

Serial no. (1)	Characteristic (2)	Requirement		Tolerance limit (5)
		Large (3)	Small (4)	
i)	Height, inches	5 3/4	4 3/4	$\pm 1/4$
ii)	Diameter, inches.	7 1/4	6 1/4	$\pm 1/4$
iii)	Maximum circumference of the body, inches.	30	23 1/2	$\pm 1/2$

SRI LANKA STANDARDS INSTITUTION

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The principal objects of the Institution as set out in the Act are to prepare standards and promote their adoption, to provide facilities for examination and testing of products, to operate a Certification Marks Scheme, to certify the quality of products meant for local consumption or exports and to promote standardization and quality control by educational, consultancy and research activity.

The Institution is financed by Government grants, and by the income from the sale of its publications and other services offered for Industry and Business Sector. Financial and administrative control is vested in a Council appointed in accordance with the provisions of the Act.

The development & formulation of National Standards is carried out by Technical Experts and representatives of other interest groups, assisted by the permanent officers of the Institution. These Technical Committees are appointed under the purview of the Sectoral Committees which in turn are appointed by the Council. The Sectoral Committees give the final Technical approval for the Draft National Standards prior to the approval by the Council of the SLSI.

All members of the Technical & Sectoral Committees render their services in an honorary capacity. In this process the Institution endeavours to ensure adequate representation of all view points.

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SLS CERTIFICATION MARK

The Sri Lanka Standards Institution is the owner of the registered certification mark shown below. Beneath the mark, the number of the Sri Lanka Standard relevant to the product is indicated. This mark may be used only by those who have obtained permits under the SLS certification marks scheme. The presence of this mark on or in relation to a product conveys the assurance that they have been produced to comply with the requirements of the relevant Sri Lanka Standard under a well designed system of quality control inspection and testing operated by the manufacturer and supervised by the SLS/ which includes surveillance inspection of the factory, testing of both factory and market samples.

Further particulars of the terms and conditions of the permit may be obtained from the Sri Lanka Standards Institution, 17, Victoria Place, Elvitigala Mawatha, Colombo 08.

