

AMENDMENT NO: 02 APPROVED ON 2016-03-23 TO SLS 912 : 1990

SRI LANKA STANDARD SPECIFICATION FOR RED PHOSPHORUS

EXPLANATORY NOTE

Based on the revised foreign Standard, the requirement for content of red phosphorus and the test methods for the determination of moisture content and white phosphorus have been updated.

This amendment is issued accordingly

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3 REQUIREMENTS

3.3 Other requirements

TABLE 1 – Requirements for red phosphorus

In Sl. No. i) Column (3),
Delete ‘98.0’ and substitute ‘97.5.’

3.4 White phosphorus (as amended by Amendment No. 01)

Delete the text and the **NOTE** given in **3.4** and substitute the following:

“The material shall not contain white phosphorus when tested by the method prescribed in Appendix C.”

6.3 Determination of moisture content

Delete the text given in **6.3** and substitute the following:

“6.3.1 Apparatus

6.3.1.1 Flat bottomed glass dish, approximately 60 - mm diameter and 30 - mm height with ground glass lid

6.3.1.2 Vacuum desiccator, with phosphorous pentoxide as desiccant

6.3.2 Procedure

Heat the dish with lid in the oven for about 30 minutes. Cool it and weigh. Weigh accurately 5 g of the sample, replace the lid and weigh accurately.

Uncover the dish and place it in a vacuum desiccator (10 mm or less of mercury) over phosphorus pentoxide for three hours. Weigh it with lid.

6.3.3 Calculation

$$\text{Moisture, per cent by mass} = \frac{(m_2 - m_3)}{(m_2 - m_1)} \times 100$$

where,

m_1 is the mass, in g, of the empty dish;

m_2 is the mass, in g, of the material and the dish; and

m_3 is the mass, in g, of the material and the dish after drying.”

APPENDIX C
DETERMINATION FOR THE PRESENCE OF WHITE PHOSPHORUS

Delete the text given in Appendix C and substitute the following:

“C.1 PROCEDURE

Take 10 g of the sample in a stoppered measuring cylinder and add 20 ml of carbon disulphide. Shake well. Allow it to settle for 2 h. Place a few drops of the clear supernatant liquid upon a piece of the copper sulphate paper (made by soaking filter paper in 20 per cent copper sulphate solution and drying in the oven at 60⁰C). Absence of any brown stain indicates the absence of white phosphorus.”

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