

(PREVIEW)

*Indian Standard***SPECIFICATION FOR  
HIGH TEMPERATURE COMBUSTION  
BOATS****0. FOREWORD**

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 11 October 1966, after the draft finalized by the Ceramicware Sectional Committee had been approved by the Chemical Division Council.

**0.2** High temperature combustion boats are used in the estimation of carbon and sulphur in steel samples. The temperature of the furnace in which the boats are kept is maintained between 1 100° to 1 300°C as the case may be.

**0.3** Till recently combustion boats were used to be imported. The possibility of successful manufacture of combustion boats in the country from indigenous raw materials has been investigated under the auspices of the Central Glass and Ceramic Research Institute, Calcutta and the Research, Designs and Standards Organization, Ministry of Railways. This standard is based on the experience of Central Glass and Ceramic Research Institute in manufacturing such combustion boats to meet the requirements of the consumers.

**0.4** Assistance has been derived in the preparation of this standard from the following publication:

DEV (S R) and LELE (R V). Manufacture of high temperature combustion boats. *CG & CRI Bulletin*. 10, 4; 1963; 102-114.

**0.5** For the purpose of deciding whether a particular requirement of this standard is complied with, the final values, observed or calculated, expressing the results of a test, shall be rounded off in accordance with IS : 2-1960\*. The number of significant places retained in the rounded off values should be the same as that of the specified values in this standard.

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**1. SCOPE**

**1.1** This standard prescribes the requirements and the methods of sampling and test for high temperature combustion boats used in the estimation of carbon and sulphur in steel.

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\*Rules for rounding off numerical values (*revised*).