

Indian Standard

SPECIFICATION FOR NITROGEN

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 3 October 1972, after the draft finalized by the Industrial Gases Sectional Committee had been approved by the Chemical Division Council

0.2 Two Indian Standards have been issued for nitrogen, namely, IS : 1747-1960 Specification for nitrogen, technical and IS : 3551-1965 Specification for pure nitrogen (dry). This standard amalgamates the two Indian Standards.

0.3 Pure nitrogen caters mainly to the rigorous requirements of the incandescent lamp filling industries. Some of its other special uses are in research programmes involving work in inert atmosphere and in the manufacture of oxygen-labile organic chemicals and pharmaceuticals. Technical nitrogen is intended for general industrial uses.

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

1. SCOPE

1.1 This standard prescribes the requirements and the methods of sampling and test for nitrogen (gas).

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