

Indian Standard

SPECIFICATION FOR AMMONIA, LIQUOR

0. FOREWORD

0.1 This Indian Standard (Second Revision) was adopted by the Indian Standards Institution on 31 October 1985, after the draft finalized by the Acids, Alkalis and Halides Sectional Committee had been approved by the Chemical Division Council.

0.2 This standard was first prepared in 1955 and was based on IND/SL 1504 Indian Defence Service Specification for ammonia, and O-A-451a US Federal Specification for ammonia, aqua (ammonium hydroxide), technical. It was revised in 1978 adding a new grade, namely, analytical reagent grade. The requirement for relative density (specific gravity) had been deleted in the first revision as it was felt that it need not be a part of the specification. However, a correlation table of relative density and percentage of ammonia was given in Appendix A.

0.3 In the present revision, alternate spectrophotometric methods for the determination of phosphates, silica and iron and an alternate method for the determination of ammonia as prescribed in ISO/DIS 7108 'Ammonia solution for industrial use — Determination of ammonia content — Titrimetric method' issued by the International Organization for Standardization have been prescribed.

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, 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 methods of sampling and test for ammonia, liquor.

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