

Indian Standard

SPECIFICATION FOR AMMONIUM NITRATE FOR EXPLOSIVES

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 16 August 1985, after the draft finalized by the Explosives and Pyrotechnics Sectional Committee had been approved by the Chemical Division Council.

0.2 This standard was first published in 1967. The original standard covered only one grade of ammonium nitrate. In this revision, four grades of ammonium nitrate depending upon the use, have been specified, namely, for ammonium nitrate fuel oil (ANFO), slurry explosives, nitroglycerine based explosives and defence.

0.3 Ammonium nitrate is extensively used both in commercial and military explosives. Small crystals of ammonium nitrate with a large surface-volume ratio, facilitates the manufacture of amatol.

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 requirements and the methods of sampling and test for ammonium nitrate intended primarily for use in explosives.

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