

BUREAU OF INDIAN STANDARDS

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Draft Indian Standard

SPECIFICATION FOR AMMONIUM THIOSULPHATE, PHOTOGRAPHIC GRADE
(First Revision)

(ICS 37.040.30)

Electroplating Chemicals And Photographic Materials Sectional
Committee, CHD 5

Last Date for Comments: 06 October 2023

NATIONAL FOREWORD

(Formal clause to be added later)

Ammonium thiosulphate or ammonium hyposulphite (NH₄)₂S₂O₃ is closely analogous to sodium thiosulphate or photographer's 'hypo' Ammonium thiosulphate finds extensive use as photographic fixing agent.

This standard was originally published in 1969. In this revision, the committee decided to further revise the standard by adoption of ISO 3619:1994 on dual number basis.

The text of the ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, the reference appears to certain International Standards for which Indian Standards do not exist. So, the technical committee has reviewed the provisions of the following International Standards/ documents referred in this adopted standard and has decided that they are acceptable for use in conjunction with this Standard:

<i>International Standards</i>	<i>Title</i>
ISO 10349-1: 1992	Photography – Photographic grade chemicals - Test methods - Part 1: General.
ISO 10349-3: 1992	Photography – Photographic grade chemicals - Test methods - Part 3: Determination of matter insoluble in ammonium hydroxide solution.
ISO 10349-4:1992	Photography — Photographic-grade chemicals — Test methods — Part 4: Determination of residue after ignition

ISO 10349-5: 1992	Photography – Photographic grade chemicals - Test methods - Part 5: Determination of heavy metals and iron content.
ISO 10349-10: 1992	Photography – Photographic grade chemicals - Test methods - Part 10: Determination of sulfide content.
ISO 10349-11:1992	Photography — Photographic-grade chemicals — Test methods — Part 11: Determination of specific gravity
ISO 10349-12:1992	Photography — Photographic-grade chemicals — Test methods — Part 12: Determination of density

The standard also makes a reference to the BIS Certification Marking of the product. Details of which are given in National Annex A.

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 : 2022 ‘Rules for rounding off numerical values (Second Revision)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

National Annex A

(*National Foreword*)

A-1 BIS CERTIFICATION MARKING

The product may also be marked with the Standard Mark.

A-1.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations made thereunder. The details of the conditions under which the licence for use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.