

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा
फ़ोटोग्राफ़ी — फ़ोटोग्राफ़िक ग्रेड रसायन — परीक्षण पद्धतियाँ —
भाग 13 पीएच का निर्धारण
(ISO 10349-13 : 2002 का अंगीकरण)

Draft Indian Standard

**Photography — Photographic Grade Chemicals — Test Methods —
Part 13 Determination of pH**

(Adoption of ISO 10349-13 : 2002)

(ICS 37.040.30)

Electroplating Chemicals and Photographic Materials, CHD 5

Last Date for Comments: **26 July 2024**

Electroplating Chemicals and Photographic Materials, CHD 5

NATIONAL FOREWORD

(Formal clauses will be added later)

The committee responsible for formulation of the standards on photographic materials decided to adopt ISO 10349 series issued by International Organization for Standardization, under the general title 'Photography — Photographic grade chemicals — Test methods'.

The standard has been published in various parts. This part (part 13) specifies a general test method for the determination of pH of solutions of photographic-grade chemicals to within ± 0.1 pH units.

Under the general title 'Photography — Photographic grade chemicals — Test methods', the standard is in 13 parts. Other parts of this series are:

Part 1 General

Part 2 Determination of matter insoluble in water

Part 3 Determination of matter insoluble in ammonium hydroxide solution

- Part 4 Determination of residue after ignition
- Part 5 Determination of heavy metals and iron content
- Part 6 Determination of halide content
- Part 7 Determination of alkalinity or acidity
- Part 8 Determination of volatile matter
- Part 9 Reaction to ammoniacal silver nitrate
- Part 10 Determination of sulfide content
- Part 11 Determination of specific gravity
- Part 12 Determination of density

The text of 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' appears 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 also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standards/ documents</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 10349-1 : 2002 — Photography — Photographic-grade chemicals — Test methods — Part 1: General	Doc. CHD 5 (25595) — Photography — Photographic grade chemicals — Test methods — Part 1 General	Identical adoption under dual numbering of ISO 10349-1 : 2002

In this adopted standard, reference appears to certain International Standards/documents where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are (27 ± 2) °C and (65 ± 5) percent relative humidity and shall be observed while using this standard.

In reporting the result of the test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'.