
**Plastics — Phenol-formaldehyde
mouldings — Determination of free
ammonia and ammonium compounds —
Indophenol method**

*Plastiques — Pièces moulées à base de phénoplastes — Dosage de
l'ammoniac libre et des composés ammoniacaux — Méthode à l'indophénol*



Contents

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 2

5 Reagents 2

6 Apparatus 3

7 Preparation of test sample 4

8 Procedure 4

9 Expression of results 7

10 Precision 7

11 Test report 8

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 14849 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

iii

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Plastics — Phenol-formaldehyde mouldings — Determination of free ammonia and ammonium compounds — Indophenol method

1 Scope

This International Standard specifies a colorimetric comparison method for the determination of the amount of ammonia and ammonium compounds in phenol-formaldehyde mouldings.

NOTE This International Standard does not provide an absolute measure of the amount of ammonia present.

The amount of ammonia in a moulded article is of importance when corrosion of metal inserts or contamination of foodstuffs in contact with the article has to be considered.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 565:1990, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*.

ISO 648:1977, *Laboratory glassware — One-mark pipettes*.

ISO 835-2:1981, *Laboratory glassware — Graduated pipettes — Part 2: Pipettes for which no waiting time is specified*.

ISO 1042:1988, *Laboratory glassware — One-mark volumetric flasks*.

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*.

ISO 4788:1980, *Laboratory glassware — Graduated measuring cylinders*.

ISO 4793:1980, *Laboratory sintered (fritted) filters — Porosity grading, classification and designation*.

ISO 5725-2:1994, *Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method*.

3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

3.1

free ammonia

ammonia that is present in the form of NH_3 in phenol-formaldehyde mouldings