



Binders for paints and varnishes — Determination of free-formaldehyde content of amino resins — Sodium sulfite titrimetric method

TECHNICAL CORRIGENDUM 1

Liants pour peintures et vernis — Dosage du formaldéhyde libre dans les résines aminoplastes — Méthode titrimétrique au sulfite de sodium

RECTIFICATIF TECHNIQUE 1

Technical corrigendum 1 to International Standard ISO 9020:1994 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 10, *Test methods for binders for paints and varnishes*.

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Replace subclause 4.5 by the following text:

4.5 Iodine, standard volumetric solution, $c(I_2) = 0,05$ mol/l, i.e. 12,690 g/l. If necessary, standardize the solution against sodium thiosulfate standard reference solution, $c(Na_2S_2O_3) = 0,1$ mol/l.

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Subclause 8.1

Include an adjustment factor f in the equation, which should read:

$$w(\text{CH}_2\text{O, free}) = \frac{V \times 1,5 \times 0,1 \times f}{m}$$

where

V is the volume, in millilitres, of iodine solution (4.5) used;

f is an adjustment factor to take into account any difference in concentration of the iodine solution (4.5) before standardization, $c(I_2)$ nominal, and after standardization, $c(I_2)$ actual:

$$f = \frac{c(I_2) \text{ actual}}{c(I_2) \text{ nominal}}$$

m is the mass, in grams, of the test portion;

1,5 is the mass, in milligrams, of formaldehyde corresponding to 1,00 ml of iodine solution, $c(I_2) = 0,5$ mol/l;

0,1 is the conversion factor necessary to convert milligrams to grams and to express w as a percentage.

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Descriptors: paints, varnishes, binders (materials), thermosetting resins, aminoplasts, chemical analysis, determination of content, formaldehyde, volumetric analysis.

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**Binders for paints and varnishes —
Determination of free-formaldehyde
content of amino resins — Sodium sulfite
titrimetric method**

*Liants pour peintures et vernis — Dosage du formaldéhyde libre dans les
résines aminoplastes — Méthode titrimétrique au sulfite de sodium*



Reference number
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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 9020 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 10, *Test methods for binders for paints and varnishes*.

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