

International Standard

ISO 13964

Air quality — Determination of ozone in ambient air — Ultraviolet photometric method

AMENDMENT 1: Consensus value for the ozone absorption cross-section at room temperature at the mercury-line wavelength (253,65 nm air)

Qualité de l'air — Dosage de l'ozone dans l'air ambiant — Méthode photométrique dans l'ultraviolet

AMENDEMENT 1: Valeur consensuelle pour la section efficace d'absorption de l'ozone à température ambiante pour la raie du mercure de longueur d'onde (253,65 nm, air) First edition 1998-08-01

AMENDMENT 1 2024-07



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This document was prepared by Technical Committee 146, Air quality, Subcommittee SC 3, Ambient atmospheres.

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Air quality — Determination of ozone in ambient air — Ultraviolet photometric method

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WARNING before Scope

Clause 1

Clause 3

5.1

In b), change "253,7" to "253,65

In c), change both occurrences of "253,7" to "253,65".

5.2

In a), change both occurrences of "253,7" to "253,65".

In Formula (3), change "253,7" to "253,65" and "1,44" to "1,421 4".

7.2

Change "101,3" to "101,325".

ISO 13964:1998/Amd.1:2024(en)

Bibliography

Replace Reference [3] with:

[3] Hodges J.T., Viallon J., Brewer P.J., Drouin B.J., Gorshelev V., Janssen C., Lee S., Possolo A., Smith M.A.H., Walden J., and Wielgosz R.I, Recommendation of a consensus value of the ozone absorption cross-section at 253.65 nm based on a literature review, 2019 Metrologia 56(3) 034001 12pp

Add the following reference after Reference [15]:

s for the anding for and 120 1386 A. 1988 Arned 120 1386 Arned [16] Davis R.S., Niederhauser B., Hodges J.T., Viallon J., Wielgosz R.I., Units and values for the ozone absorption cross-section at 253.65 nm (air) with appropriate significant digits and rounding for use in