


 Cite this: *J. Anal. At. Spectrom.*, 2019, **34**, 2340

Correction: Preparation and characterization of primary magnesium mixtures for the *ab initio* calibration of absolute magnesium isotope ratio measurements

 Björn Brandt,^a Jochen Vogl,^{ID}*^a Janine Noordmann,^b Angela Kaltenbach^b and Olaf Rienitz^b

DOI: 10.1039/c9ja90057h

www.rsc.org/jaas

 Correction for 'Preparation and characterization of primary magnesium mixtures for the *ab initio* calibration of absolute magnesium isotope ratio measurements' by Björn Brandt *et al.*, *J. Anal. At. Spectrom.*, 2016, **31**, 179–196.

Eqn (3) on p. 184 describes how the density of air ρ_{air} was calculated from the ambient conditions air pressure (p), relative humidity (φ) of the air, and air temperature ϑ . In the denominator of the original there was a typo: φ needs to be replaced with ϑ . Eqn (3) reads correctly:

$$\rho_{\text{air}} = \frac{0.348444 \text{ kg m}^{-3} \text{ hPa}^{-1} \times p - \varphi(0.252 \text{ kg m}^{-3} \text{ }^{\circ}\text{C}^{-1} \times \vartheta - 2.0582 \text{ kg m}^{-3})}{273.15 + \vartheta \text{ }^{\circ}\text{C}^{-1}}$$

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

^aBAM Federal Institute for Materials Research and Testing, Unter den Eichen 87, 12205 Berlin, Germany. E-mail: jochen.vogl@bam.de

^bPhysikalisch-Technische Bundesanstalt (PTB), Bundesallee 100, 38116 Braunschweig, Germany. E-mail: olaf.rienitz@ptb.de

