

Fig. S1: Peak scan in the medium-resolution mode of the SRM-3141a solution at 200 ng/mL (K 200 ppb) using the set of parameters given in Table 1 showing the peak shape of the m/z -values 39 and 41 (blue and red, respectively) with the automated calculation of the resolution (5 95% of m/z -value 39) on the ascending edge of the peak.

Fig. S2: Peak scan in the low-resolution mode of the SRM-3141a solution at 200 ng/mL (K 200 ppb) using the set of parameters given in Table 1 showing the absence of ^{38}Ar .

Fig. S3 Peak scan in the low-resolution mode of the SRM-3141a solution at 200 ng/mL (K 200 ppb) using the set of parameters given in Table 1 showing the absence of interference on ^{40}Ca .

Table S1: Details of the K isotope composition ($\delta^{41}\text{K}$) of the CRM measured in the present study with the number of replicated ion-chromatography procedures.