

論文訂正 (Corrigenda)  
(2020年4月3日訂正)

26巻3号 p153-159 (2019) に掲載の以下の論文について一部加筆訂正する。

Enhanced versatility of AOAC official method 2015.01 for arsenic determination in  
infant formula and dairy products

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育児用調製乳および乳製品中のヒ素を対象とした  
標準試験法 (AOAC Official Method 2015.01) の多様性改良

(2019年10月1日受付)

(2019年12月4日受理)

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当該論文について、以下の通り加筆訂正する。

Page	Place	Error	Correct
154	Table 1, Limit of quantitation	≤ 8 µg/kg for foods	≤ 8 µg/kg for infant formula
154	Table 1, Limit of quantitation	≤ 10 µg/kg for infant formula	≤ 10 µg/kg for foods
156	Left column, line 16-19	The sample (0.25 g) was added to quartz beakers with a spatula, and 0.5 mL of the arsenic standard solution sets for recovery factors A and B were added with a glass pipet to each sample (only test condition for recovery factor).	The sample (0.25 g) was added to quartz beakers with a spatula, and 0.5 mL of the arsenic standard solution sets for spiked samples A and B were added with a glass pipet to each sample (only for spiked samples).
156	Left column, line 32-33, and right column, line 1-2	Nitric acid (20%, 5 mL) was added using a digital pipet, and the beakers were heated on a hot plate set at 90°C for 30 seconds, followed by the transfer of the contents to a 50 mL DigiTUBE®.	Nitric acid (12%, 5 mL) was added using a digital pipet, and the beakers were heated on a hot plate set at 90°C for 30 seconds, followed by the transfer of the contents to a 50 mL DigiTUBE®.
156	Right column, line 2-4	The beaker was washed with 20% nitric acid, and the washings were transferred to another beaker.	The beaker was washed with 12% nitric acid, and the washings were added to the contents.
156	Right column, line 4-5	The resulting solution was diluted to 20 mL with 20% nitric acid.	The resulting solution was diluted to 20 mL with 12% nitric acid. All sample solutions (5 mL) were added to a 50 mL DigiTUBE® using a glass pipet, and were diluted to 20 mL using laboratory water.
156	Fig. 1	<p><u>Test sample 0.25 g</u></p> <ul style="list-style-type: none"> <li>← Arsenic standard solutions for spiked samples (0.005, 0.1 mg/L) 0.5 mL<sup>a</sup></li> <li>← 2% magnesium nitrate hexahydrate solution 5 mL</li> <li>— Dry contents</li> <li>— Preliminary dry ashing</li> <li>— Dry ashing (550°C, 12 hours)</li> <li>← 1 mol/L nitric acid 2 mL</li> <li>— Dry contents</li> <li>— Dry ashing (550°C, 2 hours)</li> <li>← 6 mol/L hydrochloric acid 3.5 mL</li> <li>← 20% nitric acid 5 mL</li> <li>— Dissolution</li> <li>— Dilute up to 20 mL by using 20% nitric acid</li> </ul> <p><u>Sample solution</u></p> <p><u>Sample solution 5 mL</u></p> <ul style="list-style-type: none"> <li>— Dilute up to 20 mL by using laboratory water</li> </ul> <p><u>Final test solution</u></p>	<p><u>Test sample 0.25 g</u></p> <ul style="list-style-type: none"> <li>← Arsenic standard solutions for spiked samples (0.005, 0.1 mg/L) 0.5 mL<sup>a</sup></li> <li>← 2% magnesium nitrate hexahydrate solution 5 mL</li> <li>— Dry contents</li> <li>— Preliminary dry ashing</li> <li>— Dry ashing (550°C, 12 hours)</li> <li>← 1 mol/L nitric acid 2 mL</li> <li>— Dry contents</li> <li>— Dry ashing (550°C, 2 hours)</li> <li>← 6 mol/L hydrochloric acid 3.5 mL</li> <li>— Dry contents</li> <li>← 12% nitric acid 5 mL</li> <li>— Dissolution</li> <li>— Dilute up to 20 mL by using 12% nitric acid</li> </ul> <p><u>Sample solution</u></p> <p><u>Sample solution 5 mL</u></p> <ul style="list-style-type: none"> <li>— Dilute up to 20 mL by using laboratory water</li> </ul> <p><u>Final test solution</u></p>
157	Table 2, legend	<sup>e</sup> Relative standard deviation of intermediate precision. SMPR 2012.008 acceptable values: ≤ 15% (≥ 8 µg/kg to 100 µg/kg), ≤ 11% (≥ 100 µg/kg to 1 mg/kg).	<sup>e</sup> Relative standard deviation of intermediate precision. SMPR 2012.007 acceptable values: ≤ 15% (≥ 8 µg/kg to 100 µg/kg), ≤ 11% (≥ 100 µg/kg to 1 mg/kg).
157	Table 2, legend	<sup>f</sup> Mean recoveries of the samples analyzed in triplicate (n = 3) on three separate days. SMPR 2012.008 acceptable recoveries: 60–115% (≥ 8 µg/kg to 100 µg/kg) and 80–115% (≥ 100 µg/kg to 1 mg/kg).	<sup>f</sup> Mean recoveries of the samples analyzed in triplicate (n = 3) on three separate days. SMPR 2012.007 acceptable recoveries: 60–115% (≥ 8 µg/kg to 100 µg/kg) and 80–115% (≥ 100 µg/kg to 1 mg/kg).