

# ISO/TS 15495:2010-11 (E)

## Milk, milk products and infant formulae - Guidelines for the quantitative determination of melamine and cyanuric acid by LC-MS/MS

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Foreword .....		v
1	<b>Scope .....</b>	<b>1</b>
2	<b>Normative references .....</b>	<b>1</b>
3	<b>Terms and definitions .....</b>	<b>1</b>
4	<b>Principle .....</b>	<b>2</b>
5	<b>Sampling .....</b>	<b>2</b>
6	<b>Preparation of test sample .....</b>	<b>2</b>
7	<b>Procedure .....</b>	<b>2</b>
7.1	<b>LC-MS/MS analysis -- Chromatography .....</b>	<b>2</b>
7.2	<b>LC-MS/MS analysis -- Mass spectrometry .....</b>	<b>3</b>
8	<b>Performance criteria .....</b>	<b>3</b>
8.1	<b>General .....</b>	<b>3</b>
8.2	<b>Minimum required sensitivity .....</b>	<b>3</b>
8.3	<b>Trueness and recovery .....</b>	<b>3</b>
8.4	<b>Repeatability .....</b>	<b>3</b>
8.5	<b>Within-laboratory reproducibility .....</b>	<b>3</b>
9	<b>Test report .....</b>	<b>4</b>
<b>Annex A (informative) Example A -- Cow milk and milk-based infant formula -- Simultaneous quantitative determination of melamine and cyanuric acid by liquid chromatography electropray ionization tandem mass spectrometry .....</b>		<b>5</b>
<b>Annex B (informative) Example B -- Quantitative analysis of melamine and cyanuric acid in milk-based infant formula and cow milk by liquid chromatography using linear ion-trap mass spectrometry .....</b>		<b>19</b>
<b>Bibliography .....</b>		<b>29</b>