

# ISO 20649:2015-11 (E)

## Infant formula and adult nutritionals - Determination of chromium, selenium and molybdenum - Inductively coupled plasma mass spectrometry (ICP-MS)

---

<b>Contents</b>		<b>Page</b>
<b>Forewords</b> .....		iv
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Principle</b> .....	<b>1</b>
<b>3</b>	<b>Reagents and materials</b> .....	<b>1</b>
<b>4</b>	<b>Apparatus</b> .....	<b>2</b>
<b>5</b>	<b>Procedure</b> .....	<b>2</b>
	5.1 Sample preparation .....	2
	5.2 Preparation of the test solution .....	3
	5.3 Determination .....	3
<b>6</b>	<b>Calculation</b> .....	<b>4</b>
<b>7</b>	<b>Method validation</b> .....	<b>4</b>
	7.1 Linearity .....	4
	7.2 Limit of quantification (LOQ) .....	5
	7.3 Matrix matching with methanol .....	5
	7.4 Effects of easily ionizable elements (EIEs) .....	5
	7.5 Specificity .....	5
	7.6 Accuracy .....	5
	7.7 Precision .....	5
	7.8 Ruggedness and robustness .....	5
	7.9 Reproducibility .....	6
<b>Annex A (informative) Precision data</b> .....		<b>7</b>
<b>Bibliography</b> .....		<b>8</b>