

# ISO 21571:2005-02 (E)

## Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Nucleic acid extraction

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Principle .....</b>	<b>1</b>
<b>3.1</b>	<b>General .....</b>	<b>1</b>
<b>3.2</b>	<b>DNA extraction .....</b>	<b>2</b>
<b>3.3</b>	<b>DNA quantitation .....</b>	<b>2</b>
<b>4</b>	<b>General laboratory requirements .....</b>	<b>2</b>
<b>5</b>	<b>Procedure .....</b>	<b>2</b>
<b>5.1</b>	<b>Preparation of the test portion .....</b>	<b>2</b>
<b>5.2</b>	<b>DNA extraction/purification .....</b>	<b>4</b>
<b>5.3</b>	<b>Quantitation of the extracted DNA .....</b>	<b>5</b>
<b>5.4</b>	<b>Stability of extracted DNA .....</b>	<b>6</b>
<b>6</b>	<b>Interpretation .....</b>	<b>6</b>
<b>7</b>	<b>Test report .....</b>	<b>6</b>
	<b>Annex A (informative) Methods for DNA extraction .....</b>	<b>7</b>
	<b>Annex B (informative) Methods for the quantitation of the extracted DNA .....</b>	<b>34</b>
	<b>Bibliography .....</b>	<b>41</b>