

# ISO 8968-1:2014-02 (E)

## Milk and milk products - Determination of nitrogen content - Part 1: Kjeldahl principle and crude protein calculation

---

<b>Contents</b>		<b>Page</b>
<b>Forewords</b> .....		<b>v</b>
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Normative references</b> .....	<b>1</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>1</b>
<b>4</b>	<b>Principle</b> .....	<b>2</b>
<b>5</b>	<b>Reagents</b> .....	<b>2</b>
<b>6</b>	<b>Apparatus</b> .....	<b>3</b>
<b>7</b>	<b>Sampling</b> .....	<b>5</b>
<b>8</b>	<b>Preparation of test sample</b> .....	<b>5</b>
	8.1 Whole, partially skimmed or skimmed liquid milk.....	5
	8.2 Hard, semi-hard and processed cheese.....	5
	8.3 Dried milk and dried milk products.....	5
<b>9</b>	<b>Procedures</b> .....	<b>6</b>
	9.1 Traditional method.....	6
	9.2 Block digestion method.....	7
	9.3 Blank test.....	9
	9.4 Recovery tests.....	10
<b>10</b>	<b>Calculation and expression of results</b> .....	<b>11</b>
	10.1 Calculation.....	11
	10.2 Expression of results.....	12
<b>11</b>	<b>Precision</b> .....	<b>13</b>
	11.1 Interlaboratory tests.....	13
	11.2 Liquid milk, whole milk and skimmed milk.....	13
	11.3 Hard, semi-hard and processed cheese.....	14
	11.4 Dried milk and dried milk products.....	14
<b>12</b>	<b>Test report</b> .....	<b>14</b>
<b>Annex A</b> (informative)		
	<b>Test portion</b> .....	<b>15</b>
<b>Annex B</b> (informative)		
	<b>Collaborative trials</b> .....	<b>16</b>
<b>Bibliography</b> .....		<b>18</b>