The determination of the fat content in Victoria sausage commercialised in Timisoara

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Abstract
In this paper, it was analyzed the grease content in Victoria Sausage, commercialised in a supermarket in Timisoara.

Keywords: Sausage Victoria, grease, fat.

1. Introduction
The fats in human diet are indispensable and have a well determined role, but the excess of fat, especially of saturated fats and cholesterol is a major factor in the increase of heart and blood vessels diseases risks and is associated with multiple cancer forms. Some producers may be tempted to use a large quantity of fats in their products to raise the firm’s profit in favour to consumers’ health.

2. Materials and methods
In order to determine the fat content in Victoria Sausage it was used the Scanlab98.

The instrument of analysis Scanlab 98 is a device used for measure with infrared and it was built for special measurements of food. It is based on an optical system, originating in the photometric technique, and being capable of using a wave between 825 and 11075 nm.

3. Results and Discussions
Three determination were made for each producer, with samples from different batches of the same firm. The analysis were made on the sausage of 5 producers

Table 1. Variation of fat content (%)

<table>
<thead>
<tr>
<th>Producer sample</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>39.5</td>
<td>38.2</td>
<td>39.7</td>
<td>38.8</td>
<td>39.1</td>
</tr>
<tr>
<td>2</td>
<td>39.3</td>
<td>39.1</td>
<td>39.2</td>
<td>39.4</td>
<td>39.5</td>
</tr>
<tr>
<td>3</td>
<td>39.0</td>
<td>39.2</td>
<td>39.5</td>
<td>39.4</td>
<td>39.6</td>
</tr>
</tbody>
</table>

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4. Concluzion

The fat content in Victoria Sausage from 5 producer firms is situated on the maximum values legally approved. All producer firms for which the products were analysed, focus on economical profit, leaving their consumers’ health on the second place.

References

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