Product Information Sheet

Art. No.: MQA 102016
Milk Protein LOW (Cookie)

Description of the material: Ground processed cookie material incurred with skim milk powder using MQA 092014 (SMP). This skim milk powder has a protein content of 353.9 g/kg (determined by Kjeldahl). After baking the material has been ground to a fine particle size (40 mesh; 0.420 mm) to provide homogeneity. Sub portions of five gram were divided into foil sachets with a tamper evident seal. This material consists of an off white fine powder. It is not regulated and has no UN number. It is stable under the recommended storage and handling conditions.

Intended use: This material is intended for laboratory use only. Some of the intended uses include but are not limited to: Quality control sample, method development and method validation procedures. The material is not suitable for establishing method bias. This product is not intended for animal or human consumption.

Indicative values

<table>
<thead>
<tr>
<th>Article number</th>
<th>mg/kg skim milk powder¹</th>
<th>mg/kg milk protein²</th>
<th>U (k=2)³</th>
</tr>
</thead>
<tbody>
<tr>
<td>MQA 102016</td>
<td>10.0</td>
<td>3.54</td>
<td>0.04</td>
</tr>
</tbody>
</table>

Notes:

¹ The indicative value is based in the gravimetric preparation data
² The value was calculated from the certified protein content of skim milk powder (MoniQA, MQA 0920214)
³ Combined measurement uncertainty of balances and protein determination given as mg/kg milk protein

Date of issue: 02.2017

Signed: [Signature]
Carrie Maune (Mrs)
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Material was prepared by Trilogy Analytical Laboratory under contract. Materials were produced under an ISO 9001 registered Quality Management System.

**Additional Information:** The material was analyzed using the R-Biopharm RIDASCREEN®FAST Milk ELISA test kit (R 4652) applying the extraction described in the test kit insert (see table 1). Higher variation of results is due to a concentration near to LoQ.

**Table 1**

<table>
<thead>
<tr>
<th>ELISA test kit</th>
<th>mean value</th>
<th>U (k=2)</th>
<th>units</th>
<th>n</th>
<th>parameters varied</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIDASCREEN®FAST Milk (R-Biopharm AG, R4652)</td>
<td>3.20</td>
<td>1.76</td>
<td>mg/kg milk protein</td>
<td>51*</td>
<td>person, location, day</td>
</tr>
</tbody>
</table>

* 8 out of 51 values showed results below LoQ (2.5 mg/kg milk protein) and were extrapolated.

**Instruction for handling and use:** Before opening the bag, it should be at ambient room temperature to avoid condensation of water from the air. After opening, insure the zipped bag is completely sealed prior to returning to storage. Observe all standard laboratory safety procedures when handling this material. Use appropriate protective equipment including gloves, safety glasses and protective clothing as deemed necessary. A material safety data sheet is available at [www.moniqa.org](http://www.moniqa.org).

**Minimum Sample Size:** One gram; homogeneity was characterized at this amount and was found to be acceptable.

**Expiry date:** 10.2021

**Lot number:** 14406

**Storage:** Materials should be stored between (-20 ± 10) °C in the original zippered pouch. MoniQA is not responsible for changes in the product during improper storage of the material at the customer’s premises. It should not be exposed to high moisture environments or any other unusual conditions. This product is stable for three months after opening. Recommended shipping temperature is between 2 °C and 8 °C.

**Stability:** The material is checked for stability during its intended period of validity.