

PRODUCT INFORMATION SHEET

Gluten, Hazelnut and Pecan in Chocolate (negative)

PT originated REFERENCE MATERIAL (RM)

Description of the RM

Name / Material of related PT	<i>DLA ptAL06 A (2022) Allergens VI: , Gluten, Hazelnut and Pecan in Chocolate – Sample A</i>
Identifier / LOT	<i>RM 2022-AL06 A</i>
Expiry date	<i>December 2026</i>
Matrix	<i>Dark Chocolate</i>
Physical description	<i>Chocolate</i>
Packaging / weight	<i>Sealed foil pouche / 25 g</i>
Storage conditions	<i>2 - 10°C, long term < -18°C (dry and dark)</i>
Name and address manufacturer	<i>DLA - Proficiency Tests GmbH</i> <i>Hauptstr. 80, 23845 Oering, Germany</i> <i>Tel. ++49-(0)4532-9183358, Fax. ++49(0)4102-9944976</i> <i>eMail. pt@dla-lvu.de, website. www.dla-lvu.de</i>

Composition of Material

Ingredients	Amounts
Dark chocolates (85% and 70% cocoa content, 1:1 mixture) Ingredients: Cocoa mass, sugar, cocoa butter, defatted cocoa, emulsifier: le-cithin (Soya), vanilla extract Nutrients per 100 g: Fat 46 g, Carbohydrates 27 g, Protein 10 g	100 g/100 g

Minimum Sample Size

A minimum sample size of 5 g is recommended for sample preparation.

Reference Values

All reference values were derived from the related PT round (for more details see final report).

Reference Values qualitative ELISA

Parameter	Gluten*	Hazelnut*	Pecan*
Number positive	0	0	0
Number negative	20	15	11
Percent positive	0	0	0
Percent negative	100	100	100
Consensus value	negative	negative	negative

* Results of diverse ELISA Methods (LODs Gluten 0,3 – 5 mg/kg, Hazelnut 0,07 – 2,5 mg/kg, LODs Pecan 0,2 – 2,0 mg/kg)

Reference Values qualitative PCR

Parameter	Hazelnut*	Pecan*
Number positive	0	0
Number negative	3	3
Percent positive	0	0
Percent negative	100	100
Consensus value	negative	negative

* Results of diverse PCR Methods (LODs Hazelnut 0,4 - 10 mg/kg, LODs Pecan 1,0 mg/kg)

Intended Use

- for laboratory use only, no food!
- validation of analytical methods
- control sample for quality control charts
- test material for inter-laboratory comparisons

Storage Instructions and Handling Information

The material should be stored as stated on page 1. Before use of the material should be warmed up to room temperature. The content should be mixed thoroughly prior to subsampling (see minimum sample size above). The material should be weighed immediately after opening of the foil pouche/bottle and closed again afterwards in order to avoid uptake of moisture. Frequent freezing and thawing should be avoided as this can lead to changes in the properties of the material. The expiry date of this RM is based on the current knowledge and applies only for proper storage conditions in the originally closed foil pouche/bottle.

Safety Precautions

The usual laboratory safety precautions should be applied when working with the RM considering the type of ingredients, parameters and its concentration.

Data Source

The material was analysed by 20 laboratories within the related proficiency test (PT). Different analytical methods have been used.

Various

The user must determine the suitability of this RM for its particular purpose. DLA makes no warranty of any kind, expressed or implied, other than its products meet all quality control standards set by DLA. We do not guarantee this product can be used for a special application.

Datum / Date: 23 January 2024

Matthias Besler-Scharf, PhD (EP-Koordinator / PT-Coordinator)
- *gezeichnet / signed M. Besler-Scharf*

