

Reference Material Quinolizidine alkaloids in lupin yogurt

P2309-RMLy



- Summary -

Please note:

Reference material P2309-RMLy is validated in the ring test P2309-RT, which is organised, performed, and evaluated according to the requirements of DIN EN ISO/IEC 17043 and the “International Harmonized Protocol”. DIN ISO 13528 is considered during the evaluation of the submitted results and during homogeneity testing. Details related to the applied statistics are summarised in the full specification, which is provided after purchase of the reference material.

Reference material P2309-RMLy consists of 100 g of a commercially available lupin yogurt, which is spiked with three quinolizidine alkaloids and contains incurred residues of another quinolizidine alkaloid (see table 1).

The reference material is validated in ring test P2309-RT with 10 laboratories. The assigned values, which are calculated of the results of the participants of the ring test P2309-RT, are summarised in table 1.

Table 1. Spiked levels and assigned values

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	No. of results
Angustifoline	2.2	2.29	8
Lupanine	1.9	2.24	8
Multiflorine	2.3	2.19	8
13- α -OH-lupanine	incurred	0.240	7