

Reference Material Polar pesticides in pear

P2413-RMPe



Summary

Reference material P2413-RMPe is validated in the ring test P2413-RT, which is organised, performed, and evaluated according to the requirements of DIN EN ISO/IEC 17043 and the “International Harmonized Protocol”. 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 P2413-RMPe consists of 100 g of pear homogenate, which is spiked with six polar pesticides and contains incurred residues of phosphonic acid (see table 1). The reference material is validated in ring test P2413-RT with 10 laboratories. The spiked levels as well as the assigned values, which are calculated from the results of the participants of P2413-RT are summarised in table 1.

The corresponding blank material P2413-BLPe is free from all spiked pesticides (< 0.01 mg/kg) and contains incurred residues of phosphonic acid (see assigned value of the test material).

Table 1. Spiked levels and assigned values

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	No. of results
Chlorate	0.065	0.0630	10
Perchlorate	0.035	0.0355	10
Ethephon	0.095	0.0879	9
Glyphosate	0.085	0.0843	10
Phosphonic acid	incurred	0.277	9
Chlormequat	0.12	0.120	10
Mepiquat	0.055	0.0546	10