

Reference Material

Polar pesticides in cherries

P2213-RMCy



- Summary -

Please note:

Reference material P2213-RMCy is a validated control material and not a certified reference material. The reference material is validated in the ring test P2213-RT, which is organised, performed and evaluated according to the requirements of DIN EN ISO/IEC17043 and the "International Harmonized Protocol". DIN ISO13528 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 P2213-RMCy consists of 150 g of cherry homogenate, which is spiked with five polar pesticides (see table 1). The corresponding unspiked cherry homogenate (150 g) is available as blank material P2213-BLCy. The blank material is free from chlorate, perchlorate, ethephon, and glyphosate and might contain traces of phosphonic acid (<0.01 mg/kg).

The reference material is validated in ring test P2213-RT with 18 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2213-RT, are summarised in table 1.

Table 1. Spiked levels and assigned values

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	Total number of results
Chlorate	0.085	0.0835	18
Perchlorate	0.037	0.0302	18
Ethephon	0.24	0.223	18
Glyphosate	0.044	0.0424	17
Phosphonic acid	0.031*	0.0416	18

* The spiked level related to phosphonic acid is provided for information only.