

Reference Material

Polar pesticides in sweet pepper

P2214-RMSp



- Summary -

Please note:

Reference material P2214-RMSp is a validated control material and not a certified reference material. The reference material is validated in the ring test P2214-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 P2214-RMSp consists of 150 g of red sweet pepper homogenate, which is spiked with five polar pesticides (see table 1). The corresponding unspiked red sweet pepper homogenate (150 g) is available as blank material P2214-BLSp. The blank material is free from chlormequat chloride, chlorate, perchlorate, and ethephon, and contains traces levels of incurred of phosphonic acid (about 0.005 mg/kg).

The reference material is validated in ring test P2214-RT with 10 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2214-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
Chlormequat chloride	0.038	0.0372	9
Chlorate	0.044	0.0455	9
Perchlorate	0.062	0.0632	9
Ethephon	0.073	0.0717	10
Phosphonic acid	0.088	0.0948	10