

Reference Material

Polar pesticides and glycoalkaloids in potato

P2320-RMPo



- Summary -

Please note:

Reference material P2320-RMPo is validated in the ring test P2320-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 P2320-RMPo consists of 120 g of a potato homogenate, which is spiked with six polar pesticides and contains two glycoalkaloids (see table 1).

The reference material is validated in ring test P2320-RT with 13 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2320-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
Chlorpropham	0.12	0.119	7
Maleic hydrazide	0.86	- *	6
Melamine	0.077	- *	2
Phosphonic acid	0.21	0.212	7
Diquat	0.098	- *	3
Paraquat	0.053	- *	4
α -Solanine	incurred	14.8	9
α -Chaconine	incurred	22.5	9

* The accepted ranges with respect to maleic hydrazide, melamine, diquat, and paraquat are specified with respect to the trueness criterion only.