

Reference Material Multi-method pesticides in peppercorn (piper nigrum)

P2423-RMPp



Summary

Reference material P2423-RMPp is validated in the ring test P2423-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 P2423-RMPp consists of 50 g of ground black peppercorn, which is spiked with 32 multi-method pesticides (see table 1). The reference material is validated in ring test P2423-RT with 7 laboratories. The spiked levels and the assigned values (as far as applicable) are summarised in table 1.

The corresponding blank material P2423-BLPp is free from incurred residues of all spiked pesticides (< 0.01 mg/kg).

Table 1. Spiked levels and assigned values

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	Total number of results
2,4-DDD	0.035	-	5
4,4-DDE	0.022	-	5
4,4-DDT	0.026	-	5
Aldicarb	0.062	-	6
Carbaryl	0.12	-	6
Chlorpropham	0.065	-	5
Chlorpyrifos-ethyl	0.026	0.0237	7
Demeton-S-methyl-sulfoxide	0.045	-	6
Diazinon	0.082	-	6
Dieldrin	0.16	-	5
Diethofencarb	0.039	-	6
Diflubenzuron	0.068	-	6
Famoxadone	0.084	-	3
Fenamiphos	0.024	-	6
Fenitrothion	0.15	-	5
Fenpyroximate	0.034	-	4
Flufenoxuron	0.088	-	6
Hexachlorobenzene	0.039	-	5
α -HCH	0.022	-	5
Imazalil	0.071	-	6
Imidacloprid	0.088	0.0878	7
Malaoxon	0.037	-	6
Methiocarb	0.026	-	4
Oxadixyl	0.064	-	5
Penconazole	0.057	-	6
Phosalone	0.22	-	5
Pirimicarb	0.076	-	5
Pirimiphos-ethyl	0.067	-	5
Propyzamide	0.044	-	5
Quintozene	0.13	-	5
Thiabendazole	0.098	0.0971	7
Trifluralin	0.066	-	5