Facing analytical quality.

proof acs

Reference Material
Pesticides, which require hydrolysis in pear

P2510-RMPe

Summary

Reference material P2510-RMPe is validated in the ring test P2510-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 P2510-RMPe consists of 150 g of a homogenate of pears, which is spiked with 12 pesticides, which require special treatment during sample preparation and analysis. Parent compounds as well as metabolites and esters resp. conjugates are spiked (see table 1).

The reference material is validated in ring test P2510-RT with 10 laboratories. The spiked levels are summarised in table 1.

Table 1. Spiked levels and number of results in P2510-RT

Parameter	Spiked level [mg/kg]	Total number of results
2-Phenylphenol	0.16*	6
spiked as 2-phenylphenol glucosid	0.32	-
2,5-Dichlorobenzoic acid methyl ester	0.033*	1
spiked as 2,5-dichlorobenzoic acid methyl ester	-	-
Acibenzolar-S-methyl	0.12*	6
spiked acibenzolar-S-methyl	-	-
Aminopyralid	0.047*	5
spiked as aminopyralid-methyl	0.050	-
Amitraz	0.096*	6
spiked as amitraz	-	-
Bentazone	0.052*	5
spiked as 8-OH-bentazone	0.055	-
Bispyribac	0.028*	4
spiked as bispyribac sodium	0.029	-
Ethofumesate	0.069*	4
spiked as 2-keto-ethofumesate	0.062	-
Prochloraz	0.043*	4
spiked as prochloraz metabolite BTS44596	0.040	-
Pyridate	0.16*	5
spiked as pyridafol	0.089	-
Quizalofop	0.054*	7
spiked as propaquizafop	0.069	-
Tepraloxydim	0.24*	2
spiked as tepraloxydim metabolite GP	0.15	-

* The spiked levels are calculated in accordance with the residue definition according to Commission Regulation (EC) 396/2005 based on the spiked concentration levels of the respective spiked compound.