

Reference Material of
rolling proof 2022
Multi-method pesticides in
cherries
P2218-RMCe



- Summary -

Please note:

Reference material P2218-RMCe is a validated control material and not a certified reference material. The reference material is validated in ring test P2218-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 P2218-RMCe consists of 120 g of a cherry homogenate, which is spiked 26 multi-method pesticides (see table 1). The corresponding unspiked cherry homogenate (120 g) is available as blank material P2218-BLCe. The blank material is free from all spiked parameters at a level of 0.01 mg/kg (not detected).

The reference material is validated in ring test P2218-RT with 14 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2218-RT, are summarised in table 1. Low recoveries were observed for dodine, thus, the spiked level is provided for information only.

Table 1. Spiked levels and assigned values

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	Total number of results
2,4-D	0.046	0.0472	13
Bitertanol	0.025	0.0243	13
Carbendazim	0.14	0.114	14
Chlorpyrifos	0.026	0.0226	14
λ -Cyhalothrin	0.077	0.0708	13
α -Cypermethrin	0.17	0.180	13
Diflubenzuron	0.023	0.0242	14
Dodine	0.16*	0.105	14
Etofenprox	0.090	0.0831	14
Fenbuconazole	0.34	0.365	14
Fenoxycarb	0.087	0.0862	14
Fenthion (sum)	0.055	0.0458	14
Fenvalerate	0.037	0.0344	13
Flonicamid	0.091	0.0893	13
Flusilazole	0.051	0.0467	14
Fluvalinate	0.15	0.134	13
Imidacloprid	0.039	0.0381	14
MCPA	0.089	0.0847	13
Omethoate	0.046	0.0444	14
Phosmet	0.073	0.0662	14
Pirimicarb-desmethyl	0.11	0.0977	11
Propargite	0.043	0.0403	13
Pyridaben	0.022	0.0203	14
Pyriproxyfen	0.087	0.0802	14
Thiacloprid	0.14	0.134	14
Triadimenol	0.019	0.0187	14

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