

# Validated Reference Material of ***rolling proof 2019***

## Multi-method pesticides in potato P1901-RMPo



### - Summary -

Please note: Reference material P1901-RMPo is a validated control material and not a certified reference material. The reference material consists of 120 g of a potato homogenate, which is spiked with 26 pesticides. The corresponding untreated potato homogenate (120 g) is available as blank material P1901-BLPo.

The reference material is validated in a ring test with 8 laboratories. The spiked levels and the assigned values, calculated of the results of the participants of ***rolling proof*** – module vegetables and fruits 2019 (P1901-RT), are summarised in table 1.

Table 1. Descriptive statistics

Pesticide	Total number of results	Spiked level [mg/kg]	Assigned value [mg/kg]
Aldicarb sulfone	8	0.045	0.0439
Atrazine	8	0.060	0.0574
Chloridazon	8	0.071	0.0741
Chlorobenzilate	8	0.082	0.0756
Chlortal-dimethyl	8	0.026	0.0238
Dichlobenil	7	0.025	0.0197
Dieldrin	8	0.031	0.0283
Dimoxystrobin	8	0.036	0.0353
Ethofumesate	8	0.028	0.0272
Fipronil	8	0.016	0.0148
Fonofos	8	0.047	0.0411
Fuberidazole	8	0.039	0.0368
Ioxynil	8	0.049	0.0467
Iprovalicarb	8	0.065	0.0665
Metaflumizone	7	0.13	0.134
Metolachlor	8	0.081	0.0817
Metoxuron	8	0.038	0.0384
Monolinuron	8	0.054	0.0540
Phoxim	8	0.046	0.0497
Prometryn	8	0.077	0.0714
Propanil	7	0.052	0.0488
Prosulfocarb	8	0.035	0.0329
Tebuconazole	8	0.064	0.0662
Tecnazene	7	0.069	0.0620
Terbutryn	8	0.024	0.0227
Tri-allate	8	0.044	0.0398

Besides the pesticides mentioned above, the reference material contains acibenzolar-S-methyl, fosthiazate, phenthoate, phorate, and tetrachlorvinphos. Due to the observed tendency towards degradation during the ring test, the parameters are not specified for the reference material.