

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

Multi-method pesticides in red lentils P1903-RMLe



- Summary -

Please note: Reference material P1903-RMLe is a validated control material and not a certified reference material. The reference material consists of 100 g of a red lentil flour homogenate, which is spiked with 35 pesticides. The corresponding untreated red lentil flour (100 g) is available as blank material P1903-BLLe.

The reference material is validated in a ring test with 7 laboratories. The spiked levels and the assigned values, calculated of the results of the participants of ***rolling proof*** – module cereals and pulses 2019 (P1903-RT), are summarised in table 1.

Table 1. Descriptive statistics

Pesticide	Total number of results	Spiked level [mg/kg]	Assigned value [mg/kg]
2,4`-DDD	7	0.075	0.0664
4,4`-DDD	6	0.052	-
Azinphos-methyl	6	0.037	-
Bupirimate	7	0.065	0.0625
Chlorfenvinphos	7	0.044	0.0390
Dieldrin	7	0.025	0.0229
Dimethomorph	7	0.058	0.0582
Diniconazole	7	0.088	0.0945
Diuron	7	0.036	0.0371
EPN	7	0.095	0.0789
Ethion	7	0.047	0.0416
Fenarimol	7	0.045	0.0434
Fenazaquin	7	0.067	0.0681
Fluquinconazole	7	0.11	0.125
Hexaflumuron	7	0.062	0.0662
Imidacloprid	7	0.099	0.102
Isoproturon	7	0.039	0.0411
Methabenzthiazuron	7	0.074	0.0746
Metribuzin	7	0.10	0.0923
Monocrotophos	7	0.033	0.0294
Nuarimol	7	0.066	0.0649
Omethoate	7	0.072	0.0639
Penconazole	7	0.075	0.0770
Propyzamide	7	0.043	0.0381
Prosulfocarb	7	0.059	0.0559
Pyrazophos	7	0.064	0.0580
Quintozene	7	0.030	0.0255
Sulfotep	5	0.047	-
Tebuconazole	7	0.11	0.102
Tefluthrin	7	0.055	0.0474
Tetradifon	7	0.035	0.0316
Thiabendazole	7	0.023	0.0236
Trifluralin	7	0.074	0.0627
Linuron*	4	0.090	-
Metamitron*	4	0.055	-

*The parameters linuron and metamitron are not within the scope of *rolling proof*. Thus, the number of results was low and only the trueness criterion was applied for evaluation.