

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

Multi-method pesticides in green tea P1904-RMTea



- Summary -

Please note: Reference material P1904-RMTea is a validated control material and not a certified reference material. The reference material consists of 100 g of milled green tea, which is spiked with 35 pesticides. The corresponding untreated milled green tea (100 g) is available as blank material P1904-BLTea.

The reference material is validated in a ring test with 10 laboratories. The spiked levels and the assigned values, calculated of the results of the participants of ***rolling proof*** – module tea and spices 2019 (P1904-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'-DDT	7	0.025	0.0203
Acetamiprid	10	0.040	0.0390
Aldicarb sulfone	9	0.062	0.0597
Bifenthrin	10	0.088	0.0801
Buprofezin	10	0.12	0.111
Carbendazim	10	0.13	0.118
Chlorfenapyr	10	0.035	0.0322
Chlorpropham	10	0.065	0.0716
α -Cypermethrin	10	0.045	0.0441
Demeton-S-methyl sulfoxide	9	0.055	0.0492
4,4'-Dicofol	6	0.045	Not calculated*
Diflubenzuron	10	0.044	0.0420
Diphenylamine	10	0.14	0.137
Famoxadone	9	0.030	0.0275
Fenitrothion	10	0.075	0.0730
Fipronil	9	0.010	0.00871
Flucythrinate	9	0.033	0.0306
Hexythiazox	10	0.092	0.0884
Imidacloprid	10	0.098	0.0859
Isoprocarb	10	0.025	0.0301
Malaoxon	10	0.088	0.0876
Metamitron	10	0.090	0.0868
Methiocarb	10	0.13	0.111
Monocrotophos	9	0.088	0.0838
Parathion-methyl	10	0.055	0.0515
Pendimethalin	10	0.035	0.0355
Pentachloroaniline	10	0.045	0.0403
Phosalone	10	0.050	0.0469
Pirimiphos-ethyl	10	0.026	0.0251
Propargite	9	0.065	0.0606
Prothiofos	10	0.033	0.0297
Tebuconazole	10	0.063	0.0562
Tebufenozide	10	0.10	0.0963
Thiacloprid	10	0.041	0.0402
Triadimenol	10	0.060	0.0542

* Due to the limited number of results related to dicofol, the assigned value was not calculated.