

Validated Reference Material

Multi-method pesticides, glyphosate, diquat, and paraquat in sesame seeds

P2124-RMSe



- Summary -

Please note: Reference material P2124-RMSe is a validated control material and not a certified reference material. The reference material consists of 150 g of whole, non-milled sesame seeds, which are spiked with 11 multi-method pesticides as well as with glyphosate, diquat, and paraquat (see table 1). The corresponding unspiked sesame seeds (130 g) are available as blank material P2124-BLSe.

The blank material is free from incurred residues of all spiked parameters (all not detected; RL 0.01 mg/kg). The reference material is validated in ring test P2124-RT with 30 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2124-RT, are summarised in table 1.

Table 1. Descriptive statistics

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	Total number of results
Acetochlor	0.035	0.0288	22
Carbaryl	0.066	0.0636	26
Clethodim (sum)*	0.074	0.0684	24
Cypermethrin	0.12	0.0944	25
Diuron	0.045	0.0409	25
Fenvalerate	0.055	0.0451	25
Fluazifop-p	0.035	0.0314	22
Fluometuron	0.045	0.0406	23
Imidacloprid	0.028	0.0250	26
Methoxychlor	0.033	0.0279	24
Phoxim	0.048	0.0418	23
Glyphosate	0.073	0.0567	24
Diquat	0.083	0.0687	14
Paraquat	0.050	0.0396	14

* Sum of clethodim and clethodim-sulfoxide, expressed as clethodim.