

Reference Material Multi-method pesticides in rapeseeds

P2525-RMRa



Summary

Reference material P2525-RMRa is validated in the ring test P2525-RT, which is organised, performed, and evaluated according to the requirements of DIN EN ISO/IEC 17043 and the “International Harmonized Protocol”. ISO 13528 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 P2525-RMRa consists of 150 g of non-milled rapeseeds, which are spiked with 12 pesticides (see table 1). The pesticides are covered by common pesticide multi-residue methods.

The corresponding unspiked rapeseeds (150 g) are available as blank material P2525-BLRa. The blank material is free from incurred residues of all pesticides, which are covered by common pesticide multi-residue methods.

The reference material is validated in ring test P2525-RT with 19 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2525-RT, are summarised in table 1.

Table 1. Spiked levels and assigned values

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	Total number of results
Azoxystrobin	0.024	0.0236	19
Benzovindiflupyr	0.088	0.0857	16
gamma-Cyhalothrin	0.18	0.149	19
Difenoconazole	0.055	0.0466	19
Fluazifop-p	0.12	0.114	18
Fluxapyroxad	0.065	0.0633	18
Mefentrifluconazole	0.092	0.0915	18
Picloram	0.037	0.0369	13
Saflufenacil	0.16	0.158	13
Sulfoxaflor	0.072	0.0672	19
Tebuconazole	0.045	0.0424	18
Thiamethoxam	0.026	0.0252	18