

Reference Material Multi-method pesticides and bromide in walnut

P2424-RMWn



Summary

Reference material P2424-RMWn is validated in the ring test P2424-RT, which is organised, performed, and evaluated according to the requirements of DIN EN ISO/IEC 17043 and the “International Harmonized Protocol”. DIN 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 P2424-RMWn consists of 50 g of milled walnuts, which are spiked with 13 multi-method pesticides and bromide (see table 1).

The reference material is validated in ring test P2424-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 P2424-RT, are summarised in table 1.

Table 1. Spiked levels and assigned values

| Parameter | Spiked level [mg/kg] | Assigned value [mg/kg] | No. of results |
|---------------------|----------------------|------------------------|----------------|
| Acequinocyl | 0.026 | 0.0297 | 10 |
| Azoxystrobin | 0.036 | 0.0350 | 19 |
| Carfentrazone-ethyl | 0.083 | 0.0936 | 18 |
| Chlorantraniliprole | 0.064 | 0.0648 | 19 |
| Cypermethrin | 0.041 | 0.0362 | 19 |
| Fenbutatin oxide | 0.052 | 0.0503 | 14 |
| Fluopyram | 0.088 | 0.0838 | 19 |
| Norflurazon | 0.031 | 0.0319 | 18 |
| Oxyfluorfen | 0.028 | 0.0241 | 18 |
| Piperonyl butoxide | 0.12 | 0.107 | 19 |
| Rimsulfuron | 0.044 | 0.0474 | 13 |
| Spirotetramat (sum) | 0.28 | 0.274 | 19 |
| Tolyfluanid | 0.029 | 0.0262 | 16 |
| Bromide | 4.2 | 4.31 | 8 |