

Validated Reference Material Polar pesticides in grapes

P1910-RMGr



- Summary -

Please note:

Reference material P1910-RMGr is a validated control material and not a certified reference material. The reference material consists of 100 g of a grape homogenate, which is spiked with polar pesticides (chlormequat, ethephon, glyphosate, AMPA and phosphonic acid, see table 1). The corresponding unspiked grape homogenate (100 g) is available as blank material P1910-BLGr. The blank material is free from chlormequat (< 0.005 mg/kg) and free from ethephon, glyphosate and AMPA (all < 0.01 mg/kg). The blank material contains phosphonic acid at a concentration level of about 0.020 mg/kg.

The reference material is validated in ring test P1910-RT with 22 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P1910-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
Chlormequat chloride	0.024	0.0217	20
Ethephon	0.11	0.0895	20
Glyphosate	0.082	0.0800	20
AMPA	0.055	0.0557	19
Phosphonic acid	0.057*	0.0717	20

* The spiked level of phosphonic acid is provided for information only due to incurred residues in the blank material.