

Validated Reference Material Glyphosate, glufosinate and metabolites thereof in grapes

P2113-RMGr



- Summary -

Please note:

Reference material P2113-RMGr is a validated control material and not a certified reference material. The reference material consists of 150 g of grape homogenate, which is spiked with glyphosate, N-acetyl glyphosate, AMPA, N-acetyl AMPA, glufosinate, N-acetyl glufosinate, and MPPA (see table 1). The corresponding unspiked grape homogenate (150 g) is available as blank material P2113-BLGr. The blank material is free from incurred residues of all parameters mentioned above (all not detected; RL 0.01 mg/kg).

The reference material is validated in ring test P2113-RT with 9 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2113-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
Glyphosate	0.055	0.0541	9
N-Acetyl glyphosate	0.020	- *	5
AMPA	0.042	0.0442	9
N-Acetyl AMPA	0.035	- *	4
Glufosinate	0.047	0.0443	8
N-Acetyl glufosinate	0.036	- *	6
MPPA	0.025	- *	6

* The comparability criterion is not applicable to N-acetyl glyphosate, N-acetyl AMPA, N-acetyl glufosinate, and MPPA due to the limited number of results. However, the spiked levels are confirmed by the results of the participants.