

Validated Reference Material Glyphosate, glyphosate metabolites, and glufosinate in soybean flour

P2005-RMSb



- Summary -

Please note:

Reference material P2005-RMSb is a validated control material and not a certified reference material. The reference material consists of 120 g of soybean flour, which is spiked with glyphosate, N-acetyl-glyphosate, AMPA, N-acetyl-AMPA, and glufosinate (see table 1). The corresponding unspiked soybean flour (120 g) is available as blank material P2005-BLSb. 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 P2005-RT with 11 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2005-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	0.14	0.135	11
N-Acetyl-glyphosate	0.045	-*	6
AMPA	0.090	0.0851	11
N-Acetyl-AMPA	0.075	-*	3
Glufosinate	0.15	0.154	8

* The comparability criterion is not applicable to N-acetyl-glyphosate and N-acetyl-AMPA due to a limited number of reported results. Thus, the assigned value is not calculated. The spiked levels are confirmed during homogeneity testing as well as by the results of the participants.