

# Validated Reference Material Quats and glyphosate in flour

## P1909-RMFI



### - Summary -

Please note:

Reference material P1909-RMFI is a validated control material and not a certified reference material. The reference material consists of 100 g of wheat flour, which is spiked with quats (chlormequat, mepiquat, difenzoquat, diquat, paraquat) and glyphosate (see table 1). The corresponding unspiked wheat flour (100 g) is available as blank material P1909-BLFI. The blank material is free from chlormequat and mepiquat at a concentration level of 0.005 mg/kg and free from difenzoquat, diquat, paraquat and glyphosate at a level of 0.010 mg/kg.

The reference material is validated in ring test P1909-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 P1909-RT, are summarised in table 1. The assigned value of difenzoquat was not calculated due to the low number of reported results in P1909-RT.

*Table 1. Spiked levels and assigned values*

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	Total number of results
Chlormequat chloride	0.027	0.0258	8
Difenzoquat	0.062	-	3
Mepiquat chloride	0.034	0.0333	8
Diquat	0.077	0.0723	7
Paraquat	0.079	0.0703	7
Glyphosate	0.022	0.0236	7