

# Validated Reference Material Polar pesticides in milk

## P2002-RMMi



### - Summary -

Please note:

Reference material P2002-RMMi is a validated control material and not a certified reference material. The reference material consists of 140 g of milk (UHT milk, 1.5 % fat), which is spiked with chlorate, chlormequat chloride, mepiquat chloride, melamine, glyphosate, and the quaternary ammonium compounds BAC C-8, BAC C-10, BAC C-12, DDAC C-8, and DDAC C-10 (see table 1). The corresponding unspiked milk (140 g) is available as blank material P2002-BLMi. The blank material does not contain incurred residues of the spiked parameters (RL: 0.01 mg/kg).

The reference material is validated in ring test P2002-RT with 10 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2002-RT, are summarised in table 1. The assigned values are not calculated for chlormequat, mepiquat, melamine, and glyphosate due to the limited number of results. The spiked levels are confirmed by the results of the participants of P2002-RT.

*Table 1. Spiked levels and assigned values*

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	Total number of results
Chlorate	0.026	0.0254	8
Chlormequat chloride	0.035	-	6
Mepiquat chloride	0.020	-	6
Melamine	0.45	-	5
Glyphosate	0.025	-	6
BAC C-8	0.018	0.0197	8
BAC C-10	0.032	0.0297	9
BAC C-12	0.023	0.0229	9
DDAC C-8	0.019	0.0209	9
DDAC C-10	0.028	0.0284	9

BAC C-8: Benzyl dimethyloctylammonium chloride; BAC C-10: Benzyl dimethyldecylammonium chloride; BAC C-12: Benzyl dimethyldodecylammonium chloride; DDAC C-8: Dimethyldioctylammonium chloride; DDAC C-10: Didecyldimethylammonium chloride