

# Reference Material

## Low levels of pesticides and QACs in ready-to-eat carrot baby food

### P2313-RMCa



- Summary -

Please note:

Reference material P2313-RMCa is a validated control material and not a certified reference material. The reference material is validated in the ring test P2313-RT, which is organised, performed and evaluated according to the requirements of DIN EN ISO/IEC 17043 and the “International Harmonized Protocol”. DIN ISO 13528 is considered during the evaluation of the submitted results and during homogeneity testing. Details related to the applied statistics are summarised in the full specification, which is provided after purchase of the reference material.

Reference material P2313-RMCa consists of 120 g of a ready-to-eat carrot baby food, which is spiked with multi-method pesticides and quaternary ammonium compounds (see table 1). The corresponding unspiked carrot baby food (120 g) is available as blank material P2313-BLCa. The blank material is free from incurred residues of all spiked parameters.

The reference material is validated in ring test P2313-RT with 41 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2313-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
Cadusafos	0.014	0.0139	41
Demeton-S-methyl sulfone	0.015	0.0147	41
Dieldrin	0.019	0.0187	41
Disulfoton sulfoxide	0.019	0.0186	38
Fipronil-desulfinyl	0.0080	0.00777	30
Haloxypop*	0.017	0.0156	39
Nitrofen	0.022	0.0208	39
Omethoate	0.016	0.0157	40
BAC C-10	0.0080	0.00885	17
BAC C-12	0.012	0.0146	17
BAC C-14	0.016	0.0161	17
DDAC C-8	0.010	0.0108	17
DDAC C-10	0.024	0.0236	17
DDAC C-12	0.015	0.0157	17

\* The test material is spiked with haloxypop-2-ethoxyethyl (spiked level: 0.020 mg/kg). The data in table 1 refer to haloxypop (sum of free acids, esters, and conjugates), which was considered for evaluation in P2313-RT.