

# Reference Material Alternaria toxins in cereal-based baby food

## P2310-RMCb



### - Summary -

Please note:

Reference material P2310-RMCb is a validated control material and not a certified reference material. The reference material is validated in the ring test P2310-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 P2310-RMCb consists of 100 g of a cereal-based baby food, which is spiked with alternariol, alternariol monomethyl ether, and tenuazonic acid (see table 1). The corresponding unspiked cereal-based baby food (100 g) is available as blank material P2310-BLCb. The blank material is free from alternariol and alternariol monomethyl ether and contains tenuazonic acid (about 20 µg/kg). The cereal-based baby food consists of whole oat flour, wholemeal spelled flour, corn flour, whole wheat flour, and thiamine and is milled to a fine powder.

The reference material is validated in ring test P2310-RT with 13 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2310-RT, are summarised in table 1.

*Table 1. Spiked levels and assigned values*

Parameter	Spiked level [µg/kg]	Assigned value [µg/kg]	Total number of results
Alternariol	4.5	4.36	10
Alternariol monomethyl ether	7.2	7.79	10
Tenuazonic acid	74*	106	10

\* The spiked level is provided for information only.