

Reference Material Cereulide in infant formula (contaminated, bound)

P2627-RMIf1



Summary

Reference material P2627-RMIf1 is validated in the ring test P2627-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 P2627-RMIf1 consists of commercially available infant formula (50 g), with a contamination with cereulide. The contamination is due to a contaminated arachidonic acid, which is bound to a maltodextrin substrate (see table 1).

It is recommended to reconstitute the sample (solve the powder in water) before extraction.

The reference material is validated in ring test P2627-RT with 34 laboratories. The assigned value is calculated of the results of the participants of the ring test P2627-RT. The assigned value refers to the concentration level of cereulide in the powder, not in the reconstituted (solved) material.

Table 1. Assigned value

Parameter	Assigned value [µg/kg]	Total number of results
Cereulide	0.815	34