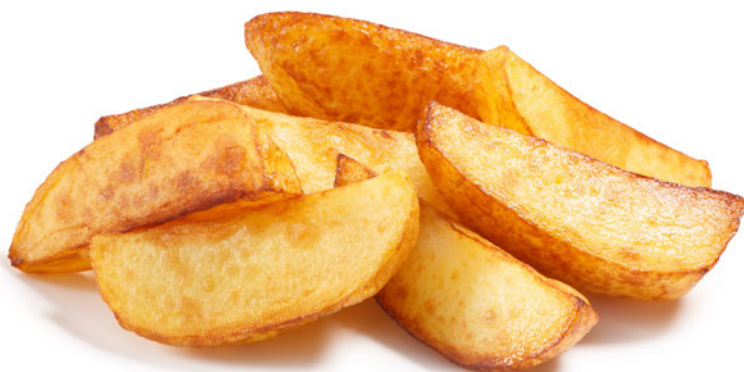


Reference Material

α -Solanine, α -chaconine, γ -chaconine,
and solanidine in potato wedges

P2505-RMP_w



Summary

Reference material P2505-RMPw is validated in ring test P2505-RT, which is organised, performed, and evaluated according to the requirements of DIN EN ISO/IEC 17043 and the “International Harmonized Protocol”. 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 P2505-RMPw consists of 70 g of a homogenate of commercially available potato wedges with naturally occurring levels of α -solanine and α -chaconine and spiked levels of γ -chaconine and solanidine (see table 1).

The reference material is validated in ring test P2505-RT with 15 laboratories. The spiked levels as well as the assigned values, which are calculated of the results of the participants of the ring test P2505-RT, are summarised in table 1. Assigned values are available of α -solanine, α -chaconine, and solanidine. Spiked levels are available of γ -chaconine and solanidine.

Table 1. Spiked levels and assigned values

Parameter	Spiked level [mg/kg]	Assigned value [mg/kg]	Total number of results
α -Solanine	Naturally occurring	41.7	15
α -Chaconine	Naturally occurring	60.3	15
γ -Chaconine	2.1	-	4
Solanidine	2.4	2.69*	9

* The raw material contains solanidine at a level of 0.23 mg/kg.