

DIN EN 16923:2023-01 (E)

Foodstuffs - Determination of T-2 toxin and HT-2 toxin in cereals and cereal products for infants and young children by SPE clean up and HPLC-MS/MS

Contents		Page
European foreword		3
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		5
4 Principle		5
5 Reagents		5
6 Apparatus and equipment		8
7 Procedure		9
7.1 Preparation of the test sample		9
7.2 Preparation of the solid phase column		9
7.3 Extraction of T-2 toxin and HT-2 toxin		9
7.4 Clean-up by solid phase filtration		10
7.5 LC-MS/MS-analysis		10
7.6 Identification		10
8 Calculation		11
9 Precision		12
9.1 General		12
9.2 Repeatability		12
9.3 Reproducibility		12
10 Test report		13
Annex A (informative) Example chromatograms (API 4000TM)		14
Annex B (informative) Example conditions for suitable LC-MS/MS systems		18
B.1 System settings for SCIEX API 4000TM and SCIEX API 4000TM QTrap		18
B.1.1 Settings for chromatography		18
B.1.2 Detector parameters		18
B.2 System settings for SCIEX API 2000		20
B.2.1 Settings for chromatography		20
B.2.2 Detector parameters		21
B.3 System settings for SCIEX API 3000TM		22
B.3.1 Settings for chromatography		22
B.3.2 Detector parameters		22
B.4 System settings for Micromass Quattro LC		23
B.4.1 Settings for chromatography		23
B.4.2 Detector parameters		24
Annex C (informative) Precision data		25
Bibliography		27