

685170**Lot: 837263****Aflatoxin G1**

Concentration	10.0 µg/ml	Expanded Uncertainty	0.50 µg/ml
Solvent	Acetonitrile	Expiry Date	01 Jan 2028
Formula	C17H12O7	Store at	-20°C (in the dark)
Mol. Weight	328.27 g/mol		
CAS-No.	1165-39-5	Format	Solution

Certified on 07 Jan 2026

by Philipp Schwarzenberger
RM Release

For the calculation of the concentration, the purity of the compound has already been considered.

Instructions for use: Our standards are for laboratory use only and can be used as reference material for calibration of chromatographic systems or related analytical techniques. For handling instructions see the MSDS. Please mix the solution before usage. If particles or precipitation are detected, sonify until solved. The material is homogenous. There is no minimum sample specified. The material in the vial can be used multiple times, but it is strongly recommended, that all external negative influences for the material are considered and ruled out (e.g. high temperatures, UV-radiation, moisture, oxygen) and that the weight of the bottle between all uses are noted to remain constant to exclude concentration deviations. It is strongly recommended to open the vial at room temperature only and handle the material under inert gas if necessary. The integrity of the purity cannot be guaranteed, if the substance is handled under unfavorable conditions.

The reported uncertainties are determined in accordance with ISO 17034 with a 95% confidence level (k=2). The Uncertainty is based on the combined uncertainties, including uncertainties of characterization and stability testing. The expiry date is based on the current knowledge and holds only for proper storage conditions in the originally closed flask. If the substance is proven to be unstable under the given storage conditions, you will be contacted immediately. The warranty of this product is limited to the purchasing price of this product and to the first point of use. The indicated long-term storage temperature can vary in a range of ± 4 °C.

Traceability:

Analyte calculated from	Aflatoxin G1
Lot	795499 neat product used for the preparation of the solution
Purity (neat)	98.30 % (g/g)

The balances used are calibrated with weights traceable to the national standards (DKD).

HPC Standards GmbH produces reference materials according to ISO 17034. For further information, check:

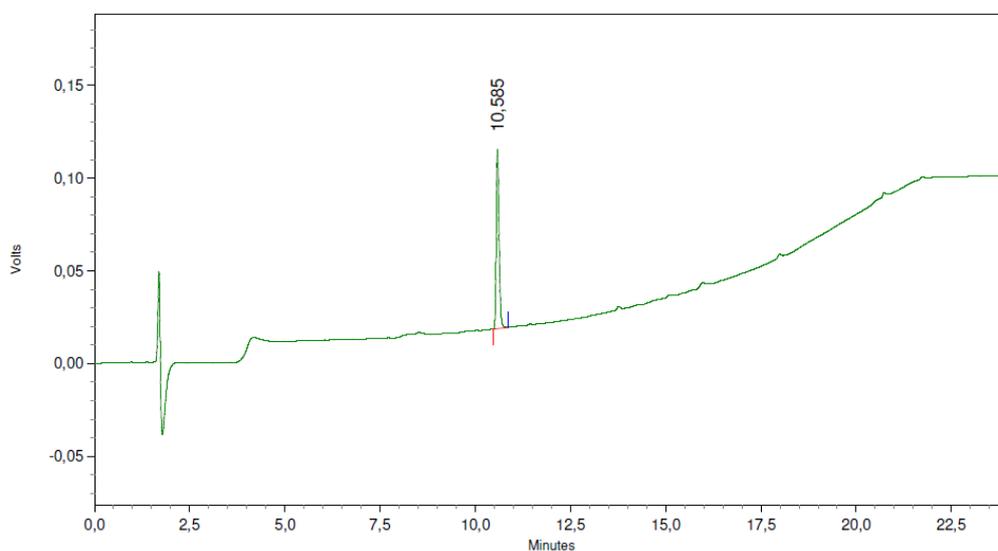


HPLC-Method

Article 685170
 Lot-No. 837263
 Column L=100mm, ID=4.6mm; Kinetex C18, 2.6µm
 Eluent A 0.1% TFA (Acetonitrile)
 Eluent B 0.1% TFA (Water)
 Gradient

time	%A	%B
0 min	0	100
19 min	90	10
22 min	90	10

Flow 0.7 ml min⁻¹
 Detector UV-220nm



Exemplary chromatogram of given method.

Version	Article	Lot	Reason for Change	Date
1	685170	837263	Initial Version	07 Jan 2026