

CERTIFICATE OF ANALYSIS

Reference Material

This certificate is designed in accordance with **ISO 17034** and **ISO Guide 31**. This reference material (RM) was designed, produced and verified in accordance with **ISO/IEC 17025**, **ISO 17034** and a registered quality management system **ISO 9001**.

Product Name Aflatoxin B1,B2,G1 and G2 Mix in Acetonitrile

Part Number B62653

Lot Number S17HB195144

Expiry Date 2027-Jul-05

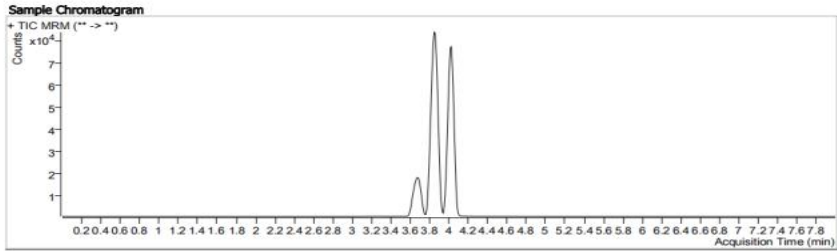
Storage (2~8)° C,Keep in the shade

CERTIFIED

Component No.	Peak Sequence	Component	CAS No.	Concentration (µg/mL)	Uncertainty (%)
1	1	Aflatoxin G2	7241-98-7	1	10
2	2	Aflatoxin G1	1165-39-5	1	10
3	3	Aflatoxin B2	7220-81-7	1	10
4	4	Aflatoxin B1	1162-65-8	1	10

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CHROMATOGRAM



▪ Instrument		
LC/MS-MS		
▪ Column		
C18(3.0x100mm, 1.8µm)		
▪ Column Oven		
35°C		
▪ Method Details		
A:0.1%Formic Acid		
B:Acetonitrile		
Time/min	A%	B%
0.00	90	10
1.00	90	10
5.00	20	80
7.00	20	80
7.10	90	10
8.00	90	10

Intended Use

This RM is intended for use in a laboratory as a calibration and quality control standard or in method development for analytical techniques.

Uncertainty

The certified value(s) and uncertainty(ies) are determined in accordance with **ISO 17034** with an 95% confidence level (k=2). Uncertainty is based on the Total Combined Uncertainty, including uncertainties of preparation, purity of neat materials, homogeneity, stability testing.

Traceability

The balances used for gravimetric measurements are calibrated with weights traceable to the national standards. The calibration of the balances is verified annually by an external accredited calibration service. This analysis method has been verified using an approach consistent with **ISO 17034:2016** & **ISO 17025:2017**.

Homogeneity

Random replicate samples of the final packaged RM have been analysed to prove homogeneity consistent with ISO 17034.

Storage

The RM should be stored in the original sealed bottle at the indicated temperature.

CERTIFICATE ON		QC SIGNATURE
2024-Jul-06		RM Release

