



CERTIFICATE OF ANALYSIS

Standard Solution of Aflatoxin mixture	
Lot Number	SSBG001
Solvent	Acetonitrile HPLC grade Supra-gradient, 99.97%
Test	Results
Appearance	Clear colorless solution
Purity (HPLC)	>99.00%
Concentration	Aflatoxin B1: 0.4, Aflatoxin B2: 0.67, Aflatoxin G1: 0.55 Aflatoxin G2: 0.55ug/ml
Expiry date	June 28, 2013
Storage	-20°C

Starting material				
	Aflatoxin B1	Aflatoxin B2	Aflatoxin G1	Aflatoxin G2
Molecular Formula	$C_{17}H_{12}O_6$	$C_{17}H_{14}O_6$	$C_{17}H_{12}O_7$	$C_{17}H_{14}O_7$
Molecular Weight	312.3	314.3	328.3	330.3
CAS Number	1162-65-8	7220-81-7	1165-39-5	7241-98-7
Lot Number	AF022A	AFb007	AFG013	AFg015

results				
TLC (NP)	>99%	>98%	>99%	>99%
TLC (RP)	>99%	>98%	>99%	>99%
HPLC	99.7%	99.3%	100%	99.59
Melting point	265°C	315°C	250-251°C	

Precautions: The normal laboratory safety precautions should be observed when working with this standard solution. Further details for handling Aflatoxin B1 are available as MSDS data sheet at our website: www.fermentek.co.il

June 28, 2010