

# LabStandard<sup>®</sup> Mycotoxins

**Mycotoxins** are toxic secondary metabolites produced by certain fungi in agricultural products that are susceptible to mould infestation. Their production is unavoidable and depends on a variety of environmental factors in the field and/or during storage. Mycotoxin **contamination** is **unavoidable** and **unpredictable**, which makes it a **unique challenge to food safety**.

Our dedicated production line is made of single and multi components solutions ideal for all users: private labs, research centers, agri-food industries, etc.

	MYCOTOXINS	CAS	FOODSTUFFS
	Aflatoxin B1 (AFB1)	1162-65-8	Nuts, dried fruits, cereals and derived products, spices, baby foods
	Aflatoxin B2 (AFB2)	7220-81-7	
	Aflatoxin G1 (AFG1)	1165-39-5	
	Aflatoxin G2 (AFG2)	7241-98-7	
	Aflatoxin M1 (AFM1)	6795-23-9	Milk and derived products
	Ochratoxin A (OTA)	303-47-9	Cereals and derived products, coffee, wine grape juice
	Fumonisin B1 (FB1)	116355-83-0	Maize and derived products, baby food
	Fumonisin B2 (FB2)	116355-84-1	
	Patulin (PAT)	149-29-1	Fruit juices and puree
	Deoxynivalenol (DON)	51481-10-8	Cereals and derived products
	Nivalenol (NIV)	23282-20-4	
	HT-2 Toxin (HT-2)	26934-87-2	
	T-2 Toxin (T-2)	21259-20-1	
	Zearalenone (ZEA)	17924-92-4	Animal feed, cereals and baby food

## Lab.Instruments s.r.l.

70013 Castellana Grotte(BA) Italy - S.S. 172 (Putignano-Alberobello) Km 28+200  
 Tel +39 080 4969746-9 - Fax +39 080 2121749  
 Email: info@crmlabstandard.com - Website: www.crmlabstandard.com  
 Part.IVA: 03176570723 - C.C.I.A.A. n. 247858 Trib. Bari n. 12439

## Accreditations and Certifications

ISO 17034:2016  
 UNI EN ISO 14001:2015  
 ISO/IEC 17025:2017  
 UNI EN ISO 9001:2015

## Mycotoxins Single Component Standard

Description	CAS	Concentration	Solvent	Packaging	Code
<i>LabStandard</i> <sup>®</sup> Aflatoxin B1 <sup>2</sup>	1162-65-8	2 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS34B3L1944 LBS34B3Q1944
<i>LabStandard</i> <sup>®</sup> Aflatoxin B2 <sup>2</sup>	7220-81-7	0.5 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS35B3L1915 LBS35B3Q1915
<i>LabStandard</i> <sup>®</sup> Aflatoxin G1 <sup>2</sup>	1165-39-5	2 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS34B3L1916 LBS34B3Q1916
<i>LabStandard</i> <sup>®</sup> Aflatoxin G2 <sup>2</sup>	7241-98-7	0.5 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS35B3L1914 LBS35B3Q1914
<i>LabStandard</i> <sup>®</sup> Aflatoxin M1	6795-23-9	0.5 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS35B3L2144 LBS35B3Q2144
<i>LabStandard</i> <sup>®</sup> Deoxynivalenol	51481-10-8	100 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS2B3L1922 LBS2B3Q1922
<i>LabStandard</i> <sup>®</sup> Fumonisin B1 <sup>1</sup>	116355-83-0	50 µg/ml	Acetonitrile/Water (50:50)	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS7BC3L1919 LBS7BC3Q1919
<i>LabStandard</i> <sup>®</sup> Fumonisin B2 <sup>1</sup>	116355-84-1	50 µg/ml	Acetonitrile/Water (50:50)	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS7BC3L1918 LBS7BC3Q1918
<i>LabStandard</i> <sup>®</sup> HT-2 Toxin <sup>1</sup>	26934-87-2	100 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS2B3L1946 LBS2B3Q1946
<i>LabStandard</i> <sup>®</sup> Nivalenol	23282-20-4	100 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS2B3L2143 LBS2B3Q2143
<i>LabStandard</i> <sup>®</sup> Ochratoxin A	303-47-9	10 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	CRM5B3L1589 CRM5B3Q1589
<i>LabStandard</i> <sup>®</sup> T-2 Toxin <sup>1</sup>	21259-20-1	100 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS2B3L1945 LBS2B3Q1945
<i>LabStandard</i> <sup>®</sup> Patulin	149-29-1	10 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	CRM5B3L1947 CRM5B3Q1947
<i>LabStandard</i> <sup>®</sup> Zearalenone	17924-92-4	100 µg/ml	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	CRM2B3L1923 CRM2B3Q1923

<sup>1)</sup> also available in smart packaging, see below.

<sup>2)</sup> also available in mixture, see below.

### 1) Mycotoxins Smart Boxes

Description	Concentration	Solvent	Packaging
<i>LabStandard</i> <sup>®</sup> Fumonisin Box	50 µg/ml	Acetonitrile/Water (50:50)	FB1: 3 x 1 ml amber silanized ampoules + FB2: 3 x 1 ml amber silanized ampoules
<i>LabStandard</i> <sup>®</sup> Trichothecenes-A Box	100 µg/ml	Acetonitrile	HT-2: 3 x 1 ml amber silanized ampoules + T-2: 3 x 1 ml amber silanized ampoules

### 2) Mycotoxins Mix Multi Components Standards

Description	Concentration	Solvent	Packaging	Code
AFLATOXINS Mix A	AFB1/AFG1 2 µg/ml each AFB2/AFG2 0.5 µg/ml each	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS3B3L884 LBS3B3Q884
AFLATOXINS Mix B	AFB1/AFG1/AFB2/AFG2 1 µg/ml each	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS3B3L989 LBS3B3Q989
AFLATOXINS Mix C	AFB1/AFG1/AFB2/AFG2 20 µg/ml each	Acetonitrile	1 x 1 ml amber silanized ampoule 6 x 1 ml amber silanized ampoules	LBS3B3L894 LBS3B3Q894

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+200 Tel +39 080 4969746-9 - Fax +39 080 2121749  
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## Mycotoxins Labelled Single Component Standard

Description	Concentration	Solvent	Packaging	Code
U-(13C17)-Aflatoxin B1	0.5 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM010
U-(13C17)-Aflatoxin B2	0.5 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM011
U-(13C17)-Aflatoxin G1	0.5 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM012
U-(13C17)-Aflatoxin G2	0.5 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM013
U-(13C17)-Aflatoxin M1	0.5 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM021
U-(13C34)-Fumonisin B1	25 µg/ml	Acetonitrile/Water (50:50)	1,2 x 1 ml amber ampoule	RMRILM003
U-(13C34)-Fumonisin B2	10 µg/ml	Acetonitrile/Water (50:50)	1,2 x 1 ml amber ampoule	RMRILM004
U-(13C22)-HT-2 Toxin	25 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM008
U-(13C15)-Nivalenol	25 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM019
U-(13C20)-Ochratoxin A	10 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM007
U-(13C24)-T-2 Toxin	25 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMR002044
U-(13C7)-Patulin	25 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM015
U-(13C18)-Zearalenone	25 µg/ml	Acetonitrile	1,2 x 1 ml amber ampoule	RMRILM009

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