

LABORATORY OF FOOD ANALYSIS

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Determination of mycotoxins in animal feed (confirmation)

P.1

Technique	Matrix	Molecules	CC α (μ g/kg)	CC β (μ g/kg)	Validation	Accreditation
LC-MS/MS	Animal feed	Nivalenol	36.22	71.41	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Deoxynivalenol	60.61	128.29	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Neosolaniol	8.6	17.53	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Fusarenon-X	16.58	34.62	2002/657/EC	BELAC
LC-MS/MS	Animal feed	3-acetyldeoxynivalenol	4.9	9.8	2002/657/EC	BELAC
LC-MS/MS	Animal feed	15-acetyldeoxynivalenol	3.07	5.29	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Aflatoxin G2	2.39	4.79	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Aflatoxin G1	1.93	4.19	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Aflatoxin B2	1.53	2.57	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Altenuene	4.54	8.89	2002/657/EC	NO
LC-MS/MS	Animal feed	Aflatoxin B1	6.75	8.08	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Diacetoxyscirpenol	0.67	1.36	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Alternariol	11.98	23.23	2002/657/EC	BELAC
LC-MS/MS	Animal feed	HT-2 toxin	9.23	19.58	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Fumonisin B1	31.84	64.34	2002/657/EC	BELAC
LC-MS/MS	Animal feed	T-2 toxin	9.38	19.47	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Fumonisin B3	23.18	42.67	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Ochratoxin A	3.44	8.93	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Fumonisin B2	24.37	54.69	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Alternariol methylether	17.75	39	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Sterigmatocystin	4.75	8.99	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Roquefortine C	1.08	2.45	2002/657/EC	BELAC
LC-MS/MS	Animal feed	Zearalenone	17.85	35.99	2002/657/EC	BELAC

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Determination of ergot alkaloids in cereals and cereal products by means of LC-MS/MS (confirmation)

P.2

Technique	Matrix	Molecules	CC α ($\mu\text{g}/\text{kg}$)	CC β ($\mu\text{g}/\text{kg}$)	Validation	Accreditation
LC-MS/MS	Cereal and cereal products	Ergometrine (Em)	1.29	2.37	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergometrinine (Emn)	3.64	9.58	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergosine (Es)	1.49	2.99	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergosinine (Esn)	1.9	3.46	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergotamine (Et)	1.38	1.98	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergotaminine (Etn)	1.72	3.56	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergocornine (Eco)	1.32	1.91	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergocorninine (Econ)	1.84	4.15	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergokryptine (Ekr)	1.24	2.44	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergokryptinine (Erkn)	1.27	2.06	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergocristine (Ecrn)	2.05	5.11	2002/657/EC	BELAC
LC-MS/MS	Cereal and cereal products	Ergocristinine (Ecrn)	1.68	2.73	2002/657/EC	BELAC

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Determination of masked mycotoxins in cereals by LC-MS/MS (confirmation) [ON-HOLD]

P.3

Technique	Matrix	Molecules	CC α ($\mu\text{g/kg}$)	CC β ($\mu\text{g/kg}$)	Validation	Accreditation
LC-MS/MS	Cereal and cereal products	Deoxynivalenol	17.13	26.72	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	Deoxynivalenol-3-glucoside	39.18	72.2	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	3-acetyldeoxynivalenol	23	32.74	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	15-acetyldeoxynivalenol	15.15	22.39	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	T-2 toxin	20.09	43.15	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	HT-2 toxin	27.26	53.1	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	Fusarenon-X	94.45	272.41	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	Diacetoxyscirpenol	30.86	64.12	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	Neosolaniol	84.05	453.38	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	Nivalenol	111.25	207.83	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	Beauvericin	32.7	67.25	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	zearalenone	11.28	21.69	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	alfa-zearalenol	14.65	23.1	2002/657/EC	BELAC [ON-HOLD]
LC-MS/MS	Cereal and cereal products	beta-zearalenol	16.86	29.27	2002/657/EC	BELAC [ON-HOLD]