



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
MPA Eberswalde, Materialprüfanstalt Brandenburg GmbH

took part in:
FAPAS Proficiency Test **19110**
Pesticides in Lettuce Purée

and were allocated laboratory number **86** .

The performance of the laboratory is shown in the relevant report, which is available from the secure pages at www.fapas.com

FAPAS®, FEPAS®, GeMMA, LEAP™
The Food and Environment Research Agency
Sand Hutton
York YO41 1LZ

tel: +44 1904 462100
fax: +44 1904 462040
info@fapas.com
www.fapas.com

FAPAS®, FEPAS® and GeMMA are UKAS accredited, giving independent confirmation that we comply with the requirements of International Standard ISO/IEC Guide 43-1:1997, through assessment against ILAC G13:2000. Additionally, the Food and Environment Research Agency is an ISO 9001 certified organisation.

PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED

Table 1 (continued): Results and z-Scores for Azoxystrobin, Bifenthrin and Chlorpropham in Lettuce Purée Test Material

laboratory number	analyte											
	azoxystrobin assigned value 188 µg/kg				bifenthrin assigned value 133 µg/kg				chlorpropham assigned value 198 µg/kg			
	result µg/kg	recovery %	LoQ µg/kg	z-score	result µg/kg	recovery %	LoQ µg/kg	z-score	result µg/kg	recovery %	LoQ µg/kg	z-score
085	127.87		10	-1.6	114.87		25	-0.6	0		10	-4.9
086	243	90	10	1.4	148	83	10	0.5	208	105	10	0.3
087	#				150.00	110	10.00	0.6	#			
088	195	96	10	0.2	136	97	10	0.1	202	98	10	0.2
089	164.20	85.30	10	-0.6	139.10	84.98	30	0.2	#			
090	#				#				#			
091	190		10	0.1	148		10	0.5	144		100	-1.3
092	206	96	10	0.5	136	79	10	0.1	#			
093	198	102	0.01	0.3	100	66	0.01	-1.2	#			
094	178	89	10	-0.2	155	82	10	0.8	198	87	10	0.1
095	189	95	5	0.0	112	95	5	-0.7	211	95	5	0.4
096	101	84	10	-2.2	123	111	10	-0.4	152	100	10	-1.1
097	185	97	10	-0.1	121	101	10	-0.4	194	99	10	0.0
098	#				#				#			
099	106	92	10	-2.1	92	84	10	-1.4	130	81	10	-1.6
100	#				154.8	105	10	0.7	#			
101	190	122	10	0.1	37	44	10	-3.3	160	111	10	-0.9
102	170.50	89.6	10	-0.4	165.89	96.7	10	1.1	275.06	121	12.5	2.0
103	† #				#				#			
104	219	106	40	0.8	120	94	40	-0.5	222	108	14	0.7
105	#				150.0			0.6	#			
106	#				#				#			
107	#				#				#			
108	0.189		0.005	-4.9	0.126		0.01	-4.6	0.188		0.01	-4.9
109	#				#				#			
110	#				#				#			
111	179	106	10	-0.2	113	94.8	10	-0.7	191	127	10	-0.1
112	#				#				#			

LoQ = limit of quantification

= pesticide not analysed for

† = additional pesticide residues identified > 30 µg/kg (see Table 3)

z-scores outside the satisfactory range, i.e. |z| > 2, are shown in bold

Table 2 (continued): Results and z-Scores for Dimethomorph, Propyzamide and Trifluralin in Lettuce Purée Test Material

laboratory number	analyte											
	dimethomorph assigned value 181 µg/kg				propyzamide assigned value 197 µg/kg				trifluralin assigned value 35.9 µg/kg			
	result µg/kg	recovery %	LoQ µg/kg	z-score	result µg/kg	recovery %	LoQ µg/kg	z-score	result µg/kg	recovery %	LoQ µg/kg	z-score
085	136.33		10	-1.2	156.3		25	-1.0	<LOQ		50	
086	204	103	10	0.6	216	96	10	0.5	37	100	10	0.1
087	#				#				#			
088	193	95	10	0.3	211	96.5	10	0.3	41	97	10	0.6
089	161.82	86.05	10	-0.5	#				39.68	82.60	10	0.5
090	#				#				#			
091	245		10	1.7	185		10	-0.3	33		10	-0.4
092	#				#				#			
093	#				#				#			
094	200	85	10	0.5	206	86	10	0.2	50	92	10	1.8
095	183	95	5	0.0	199	95	5	0.1	38	95	5	0.3
096	96	96	10	-2.3	176	108	10	-0.5	27	110	10	-1.1
097	181	103	10	0.0	188	113	10	-0.2	30	99	10	-0.7
098	#				#				#			
099	112	96	10	-1.8	92	84	10	-2.6	13	71	10	-2.9
100	#				#				#			
101	160	121	10	-0.6	200	111	10	0.1	<LOQ		10	
102	137.50	89.3	10	-1.2	248.70	99.5	12.5	1.3	42.02	109	12.5	0.8
103	† #				#				#			
104	213	104	40	0.8	207	101	12	0.3	35	74	18	-0.1
105	#				#				#			
106	#				#				#			
107	#				#				30	73.2	10	-0.7
108	0.180		0.008	-4.8	0.178		0.01	-4.9	0.042		0.03	-4.5
109	#				#				#			
110	#				#				#			
111	174	71.8	10	-0.2	186	109	10	-0.3	32.3	99.0	5	-0.5
112	#				#				23.55	>90	10	-1.6

LoQ = limit of quantification

= pesticide not analysed for

† = additional pesticide residues identified > 30 µg/kg (see Table 3)

z-scores outside the satisfactory range, i.e. |z| > 2, are shown in bold