



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
MPA Eberswalde, Materialprüfanstalt Brandenburg GmbH

took part in:
FAPAS Proficiency Test 19133
Pesticides in Apple

July 2012

and were allocated laboratory number 60 .

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

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Table 1 (continued): Results and z-Scores for Acetamiprid, Chlorpyrifos(-ethyl), Chlozolate and Clofentezine

laboratory number	analyte															
	acetamiprid assigned value 96.6 µg/kg				chlorpyrifos(-ethyl) assigned value 86.7 µg/kg				chlozolate assigned value 34.6 µg/kg				clofentezine assigned value 9.40 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	result µg/kg	recovery %	LoQ µg/kg	z-score
046	82	80	10	-0.7	111	80	10	1.3	53	85	10	2.4	<LOQ	80	10	
047	89	116	10	-0.4	97	88	10	0.5	#				#			
048	100		10	0.2	68		10	-1.0	#				<LOQ		10	
049	#				0.049	97.95	0.01	-4.5	0.055	121.2	0.01	-4.5	#			
050	85			-0.5	86			0.0	#				#			
051	#				327			12.6	#				#			
052	#				<LOQ		100		#				#			
053	110	90	10	0.6	76	92	10	-0.6	17	90	10	-2.3	<LOQ	90	10	
054	99.52	106	10	0.1	67.41	N/A	10	-1.0	31.22	N/A	10	-0.4	0			-4.5
055	95	90	10	-0.1	80	92	10	-0.4	20	90	10	-1.9	<LOQ	90	10	
056	#				86.6	97.4	50	0.0	#				#			
057	105	103	5	0.4	80	99	5	-0.4	28	96	5	-0.9	#			
058	136.86		120	1.9	0		5	-4.5	#				6.50		10	-1.4
059	#				88.49	103.44		0.1	#				#			
060	85	80	10	-0.5	80	110	10	-0.4	45	100	10	1.4	<LOQ	100	10	

= pesticide not analysed for

z-scores outside |z| >2 are shown in **bold**, see Section 5*italics indicate for information only*

Table 2 (continued): Results and z-Scores for Fluquinconazole, Permethrin, Propargite and Trifloxystrobin

laboratory number	analyte															
	fluquinconazole assigned value 78.6 µg/kg				permethrin assigned value 132 µg/kg				propargite assigned value 69.8 µg/kg				trifloxystrobin assigned value 25.9 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	result µg/kg	recovery %	LoQ µg/kg	z-score
046	85	80	10	0.4	196	80	10	2.2	68	80	10	-0.1	28	80	10	0.4
047	#				153	101	30	0.7	72	72	10	0.1	#			
048	#				130		50	-0.1	37		10	-2.1	17		10	-1.6
049	#				0.179	108.2	0.01	-4.6	0.096	114	0.02	-4.5	0.022	99.2	0.01	-4.5
050	#				107			-0.9	74			0.3	#			
051	#				#				#				#			
052	#				103	107.8	100	-1.0	#				#			
053	72	89	10	-0.4	120	86	10	-0.4	75	87	10	0.3	30	94	10	0.7
054	#				139.97	N/A	20	0.3	64	102	10	-0.4	22.54	N/A	10	-0.6
055	75	89	10	-0.2	135	86	10	0.1	82	87	10	0.8	27	94	10	0.2
056	#				107	100.7	50	-0.9	#				#			
057	117	109	5	2.2	#				75	95	5	0.3	30	98	5	0.7
058	#				#				67.18		45	-0.2	33.01		50	1.2
059	#				79.24	112.00		-1.8	#				#			
060	78	105	10	0.0	149	75	10	0.6	63	130	10	-0.4	23	95	10	-0.5

= pesticide not analysed for z-scores outside $|z| > 2$ are shown in **bold**, see Section 5