



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
MPA Eberswalde, Materialprüfanstalt Brandenburg GmbH

took part in:
FAPAS Proficiency Test **19127**
Pesticides in Lettuce Purée

and were allocated laboratory number **19** .

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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FAPAS® Proficiency Test Report 19127

Pesticide Residues in Lettuce

November 2011-January 2012

NOT CONTROLLED WHEN PRINTED

Prepared and authorised on behalf of FAPAS by

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Tom Nixon, Round Co-ordinator

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Table 1 (continued): Results and z-Scores for Boscalid, Chlorpyrifos (-ethyl), Diazinon and Metalaxyl

laboratory number	analyte															
	boscalid assigned value 93.3 µg/kg				chlorpyrifos (-ethyl) assigned value 88.3 µg/kg				diazinon assigned value 145.8 µg/kg				metalaxyl assigned value 41.7 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
016	#				72.1		10	-0.8	124.9		10	-0.7	32.9		20	-1.0
017	#				114.8	103	10	1.4	188.6	104	10	1.4	33.8	100	20	-0.9
018	93.3	101	20	0.0	77.1	90	20	-0.6	138.4	83	20	-0.2	38.1	90	20	-0.4
019	90	110	10	-0.2	95	105	10	0.3	145	115	10	0.0	44	100	10	0.3
020	107	101	10	0.7	67	95	6	-1.1	136	95	6	-0.3	42	99	10	0.0
021	107	115	10	0.7	102	105	10	0.7	174	109	10	0.9	44	116	10	0.3
022	#				90.8		5	0.1	143.9		5	-0.1	40.4		10	-0.1
023	95.46	111.5	10	0.1	83.49	93.1	10	-0.2	134.78	86.0	10	-0.4	33.81	85.4	10	-0.9
024	#				94.5		10	0.3	144.2		10	-0.1	39.4		20	-0.2
025	93.9	86	20	0.0	69.3	99	20	-1.0	145.4	84	20	0.0	40.8	102	20	-0.1
026	< 10	90	10	NS	< 10	86,4	10	NS	212	88,6	10	2.1	< 10	90,9	10	NS
027	102	95	10	0.4	95	103	10	0.3	170	110	10	0.8	39	98	10	-0.3
028	81	70-120	10	-0.6	106	70-120	10	0.9	197	70-120	10	1.6	45	70-120	10	0.4
029	76	80	10	-0.8	59	80	10	-1.5	142	80	10	-0.1	35	80	10	-0.7
030	87.838	94	10	-0.3	45.833	84	10	-2.2	113.1	84	10	-1.1	34.492	92	10	-0.8

z-scores outside $|z| > 2$ are shown in **bold**, see Section 5

= pesticide not analysed for

NS = not satisfactory

Table 2 (continued): Results and z-Scores for Oxadixyl, Tebuconazole, Tebufenozide and Thiamethoxam

laboratory number	analyte															
	oxadixyl assigned value 109.4 µg/kg				tebuconazole assigned value 53.6 µg/kg				tebufenozide assigned value 74.3 µg/kg				thiamethoxam assigned value 134.4 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
016	92.4		20	-0.7	#			#				#				
017	77.1	94	20	-1.3	#			#				#				
018	106.5	98	50	-0.1	51.2	90	50	-0.2	73.7	105	20	0.0	125.3	102	20	-0.3
019	140	85	10	1.3	45	110	10	-0.7	82	105	10	0.5	145	100	10	0.4
020	85	95	18	-1.0	63	97	10	0.8	76	95	10	0.1	151	86	10	0.6
021	116	118	10	0.3	59	106	10	0.5	89	103	10	0.9	153	117	10	0.6
022	108.4			0.0	#			#				#				
023	102.58	89.2	10	-0.3	51.73	99.8	10	-0.2	76.12	95.4	10	0.1	120.00	170.5	10	-0.5
024	91.0		20	-0.8	#			#				#				
025	101.4	76	50	-0.3	49.2	74	20	-0.4	76.5	96	20	0.1	127.2	111	20	-0.2
026	< 10	80	10		< 10	80	10		#				< 10	91	10	
027	135	90	10	1.1	52	108	10	-0.1	78	97	10	0.2	150	108	10	0.5
028	124	70-120	10	0.6	55	70-120	10	0.1	99	70-120	10	1.5	168	70-120	10	1.2
029	107	80	10	-0.1	39	80	10	-1.2	56	80	10	-1.1	129	80	10	-0.2
030	122.083	94	10	0.5	40.37	96	10	-1.1	54.049	90	10	-1.2	141.773	99	10	0.3

z-scores outside $|z| > 2$ are shown in **bold**, see Section 5

= pesticide not analysed for