



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
MPA Eberswalde, Materialprüfanstalt Brandenburg GmbH

took part in:
FAPAS Proficiency Test **1990**
HPLC Pesticides in Cucumber Purée

and were allocated laboratory number **75** .

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 Dimethoate, Imazalil and Oxamyl in Cucumber Purée Test Material

laboratory number	analyte											
	dimethoate assigned value 142 µg/kg				imazalil assigned value 77 µg/kg				oxamyl assigned value 131 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
057	112.0	99	10	-1.0	100	81	10	1.3	140.5	109	10	0.3
058	136	84	10	-0.2	0	101	10	-4.5	134	92	10	0.1
059	101		10	-1.3	90		10	0.8	134		10	0.1
060	40.28	130	4.68	-3.3	<LOQ		99.44		#			
061	150	108	10	0.3	90	97	10	0.8	120	104	10	-0.4
062	134			-0.3	86			0.5	140			0.3
063	122		40	-0.6	85		100	0.5	#			
064	171	80	10	1.0	80	85	20	0.2	#			
065	114	79	10	-0.9	118	118	10	2.4	104	75	10	-0.9
066	102	95	10	-1.3	100	95	10	1.3	98	95	10	-1.2
067	144	105	10	0.1	53	105	10	-1.4	109	80	10	-0.8
068	180	92	10	1.3	87	97	10	0.6	119	99	10	-0.4
069	156.1	79	15	0.5	61.2	85	20	-0.9	141.6	85	10	0.4
070	144.3	101	5	0.1	67.1	102	5	-0.6	144.9	98	5	0.5
071	598	S		15.0	353	S		16.2	195	S		2.3
072	15.81	100	5	-4.1	#				0	100	5	-4.6
073	137	98	10	-0.2	64	96	10	-0.8	132	105	10	0.0
074	130	108	10	-0.4	91	94	10	0.8	137	102	10	0.2
075	142	95	10	0.0	69	95	10	-0.5	132	95	10	0.0
076	161	110	5	0.6	78	62	20	0.0	245	110		4.0
077	80	80-110	30	-2.0	0			-4.5	#			
078	#				#				0.134			-4.6

LoQ = limit of quantification

= pesticide not analysed for

S = recovery not calculated, results are calculated by standard addition method.

unsatisfactory z-scores are highlighted in **bold**

Table 2 (continued): Results and z-Scores for Triadimenol and Carbendazim in Cucumber Purée Test Material

laboratory number	analyte							
	triadimenol assigned value 205 µg/kg				carbendazim assigned value 26 µg/kg			
	result µg/kg	recovery %	LoQ µg/kg	z-score	result µg/kg	recovery %	LoQ µg/kg	z-score
057	215.0	93	10	0.2	21.6	80	10	-0.7
058	197	105	10	-0.2	24	75	10	-0.3
059	171		10	-0.8	24		10	-0.3
060	209.36	110	68.9	0.1	#			
061	170	103	10	-0.8	28	113	10	0.4
062	221.5			0.4	21			-0.9
063	0			-4.9	#			
064	NQ				50	85	10	4.3
065	#				60	124	10	6.0
066	232	95	10	0.6	22	95	10	-0.7
067	148	95	10	-1.4	19	90	10	-1.2
068	243	96	10	0.9	27	99	10	0.2
069	217.5	99	15	0.3	22.6	80	10	-0.6
070	203.4	97	5	0.0	23.8	102	5	-0.4
071	230	S		0.6	115	S		15.7
072	10.72	100	5	-4.7	5.0	100	5	-3.7
073	151	100	10	-1.3	22	100	10	-0.7
074	203	95	10	0.0	19	101	10	-1.2
075	166	100	10	-0.9	24	90	10	-0.3
076	190	99		-0.4	49	104	20	4.1
077	919	75	100	17.2	#			
078	#				0.019			-4.5

LoQ = limit of quantification NQ = identified but not quantified
= pesticide not analysed for unsatisfactory z-scores are highlighted in **bold**
S = recovery not calculated, results are calculated by standard addition-method