



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
MPA Eberswalde, Materialprüfanstalt Brandenburg GmbH

took part in:
FAPAS Proficiency Test **19106**
Pesticides in Tomato Purée

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 Acephate, Buprofezin and Fenitrothion in Tomato Purée Test Material

laboratory number	analyte											
	acephate assigned value 221 µg/kg				buprofezin assigned value 112 µg/kg				fenitrothion assigned value 115 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
055	#				#				111.9	93.29	10.0	-0.1
056	211.4	95	5	-0.2	105.5	95	5	-0.3	0			-4.5
057	#				#				#			
058	171.07		10	-1.1	134.92		10	0.9	150.96		10	1.4
059	183	80	10	-0.9	101	110	10	-0.4	82	104	10	-1.3
060	255	110	10	0.8	137	96	10	1.0	140	100	10	1.0
061	#				117		10	0.2	114		10	-0.1
062	216	82	50	-0.1	121	91	50	0.4	131	105	20	0.6
063	0			-5.0	#				101	106	0.5	-0.6
064	0	58	20	-5.0	88.5	91	10	-0.9	86	70	10	-1.2
065	260	85	10	0.9	150	85	10	1.6	172	85	10	2.2
066	221		10	0.0	82.1		10	-1.2	86.5		10	-1.1
067	260	100 S	10	0.9	115	95	10	0.1	110	100	10	-0.2
068	224	75	10	0.1	99	94	10	-0.5	147	102	10	1.2
069	#				#				#			
070	0	70	50	-5.0	#				126.35	105	50	0.4
071	#				#				#			
072	160	97.5	0.010	-1.4	140	98.9	0.010	1.2	163	98.5	0.005	1.9
073	† #				81.07			-1.2	123.79			0.3
074	#				#				0			-4.5
075	† 85.80	-	50.00	-3.1	#				121.15	-	50.00	0.2
076	235.0		10	0.3	105.0		10	-0.3	115.0		10	0.0
077	150	80	10	-1.6	110	90	10	-0.1	125	100	10	0.4
078	235	102	10	0.3	125	97	10	0.5	134	99	10	0.7
079	220	77	10	0.0	100	81	10	-0.5	110	112	10	-0.2
080	0		10	-5.0	90	99	10	-0.9	82	89	10	-1.3
081	298	89	10	1.7	108	100	10	-0.1	110	97	10	-0.2

LoQ = limit of quantification

= pesticide not analysed for

S = standard addition

† = additional pesticide residues identified > 30 µg/kg (see Table 4)

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

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

laboratory number	analyte							
	fenvalerate assigned value 41.3 µg/kg				triadimenol assigned value 160 µg/kg			
	result µg/kg	recovery %	LoQ µg/kg	z-score	result µg/kg	recovery %	LoQ µg/kg	z-score
055	#				#			
056	35.1	95	5	-0.7	188.5	95	10	0.9
057	#				#			
058	#				191.81		10	0.9
059	40	91	10	-0.1	116	90	10	-1.3
060	46	95	10	0.5	206	85	10	1.4
061	0		10	-4.5	210		10	1.5
062	46	98	40	0.5	78	88	50	-2.4
063	0			-4.5	#			
064	41	91	10	0.0	#			
065	45	85	10	0.4	190	85	10	0.9
066	#				109		10	-1.5
067	35	90	10	-0.7	170	93	10	0.3
068	0		10	-4.5	154	92	10	-0.2
069	#				190	84	10	0.9
070	35.08	100	10	-0.7	#			
071	#				#			
072	140	98.0	0.010	10.9	270	98.8	0.005	3.3
073	† 401.12			39.6	966.70			23.9
074	11.2	98	0.5	-3.3	#			
075	† 25.20*	-	50.00	-1.8	#			
076	85.0 ▼		10	4.8	170.0		10	0.3
077	45	110	10	0.4	155	100	10	-0.1
078	72	95	10	3.4	160	92	10	0.0
079	30	115	10	-1.2	210	100	10	1.5
080	13	93.3	10	-3.1	114	107	10	-1.4
081	44	100	10	0.3	184	100	10	0.7

LoQ = limit of quantification

* = result less than LoQ

† = additional pesticide residues identified > 30 µg/kg (see Table 4)

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

= pesticide not analysed for

▼ = fenvalerate + esfenvalerate = 85 µg/kg