



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
MPA Eberswalde, Materialprüfanstalt Brandenburg GmbH

took part in:
FAPAS Proficiency Test **19126**
Pesticides in Cherry Purée

and were allocated laboratory number **45** .

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 19126

Pesticide Residues in Cherry Purée

October-December 2011

NOT CONTROLLED WHEN PRINTED

Prepared and authorised on behalf of FAPAS by

A handwritten signature in black ink that reads 'Tom Nixon'.

Tom Nixon, Round Co-ordinator

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Table 1 (continued): Results and z-Scores for Acetamiprid, Bitertanol, Boscalid and Cypermethrin (total)

laboratory number	analyte															
	acetamiprid assigned value 63.0 µg/kg				bitertanol assigned value 34.5 µg/kg				boscalid assigned value 130 µg/kg				cypermethrin (total) assigned value 121 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
031	73	-	10	0.7	26	-	15	-1.1	190	-	15	2.1	143	-	10	0.8
032	65	100	10	0.1	NQ				127	84	10	-0.1	142	87	10	0.8
033	48	90	10	-1.1	0	90	10	-4.5	100	89	10	-1.0	210	87	10	3.4
034	32	87	10	-2.2	0			-4.5	0			-4.6	0			-4.5
035	#				#				#				#			
036	78	95	10	1.1	43	98	10	1.1	127	96	10	-0.1	85	85	10	-1.3
037	56	71	10	-0.5	37	85	10	0.3	140	110	10	0.4	190	105	10	2.6
038	0	0	10	-4.5	0	94	10	-4.5	0	72	10	-4.6	0	100.9	10	-4.5
039	57	85	10	-0.4	36	95	30	0.2	103	91	10	-0.9	129	77	90	0.3
040	61	92	10	-0.1	30	94	10	-0.6	173	85	10	1.5	70	56	10	-1.9
041	58	98	10	-0.4	0		10	-4.5	115	109	10	-0.5	76	106	10	-1.7
042	70			0.5	22			-1.6	118			-0.4	134			0.5
043	84.79	105.03	10	1.6	32.36	108.03	25	-0.3	127.22	110.66	15	-0.1	#			
044	70			0.5	#				#				48		10	-2.7
045	65	100	10	0.1	28	95	10	-0.9	130	100	10	0.0	105	100	10	-0.6

z-scores outside $|z| > 2$ are shown in **bold**, see Section 5
 NQ = identified, but not quantified

LoQ = limit of quantification

= pesticide not analysed for

Table 2 (continued): Results and z-Scores for beta-Endosulfan, Fenbuconazole, Propamocarb and Pyraclostrobin

laboratory number	analyte															
	beta-endosulfan assigned value 144 µg/kg				fenbuconazole assigned value 58.4 µg/kg				propamocarb assigned value 87.2 µg/kg				pyraclostrobin assigned value 81.5 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
031	202	-	10	1.9	66	-	10	0.6	0			-4.5	82	-	10	0.0
032	126	75	10	-0.6	57	83	10	-0.1	73	79	10	-0.7	70	108	10	-0.6
033	0	87	10	-4.7	55	89	10	-0.3	23	87	10	-3.3	92	91	10	0.6
034	52	90	10	-3.0	0			-4.5	0			-4.5	0			-4.5
035	#				#				#				#			
036	164	95	5	0.7	38	92	10	-1.6	92	96	10	0.2	104	95	10	1.3
037	152	95	10	0.3	62	95	10	0.3	120		10	1.7	81	77	10	0.0
038	0	96	10	-4.7	0	0	10	-4.5	0	0	10	-4.5	0	0	10	-4.5
039	111	87	25	-1.1	<LoQ	92	60		105	70	30	0.9	68	90	10	-0.8
040	180	98	10	1.2	79	126	10	1.6	52	100	10	-1.8	92	74	10	0.6
041	111	91	10	-1.1	50	101	10	-0.7	60	70	10	-1.4	84	106	10	0.1
042	126			-0.6	55			-0.3	100			0.7	41			-2.3
043	#				#				105.53	101.56	10	1.0	#			
044	130		10	-0.4	#				#				#			
045	151	100	10	0.2	53	100	10	-0.4	90	100	10	0.1	100	90	10	1.0

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

LoQ = limit of quantification

= pesticide not analysed for

Table 3 (continued): Results and z-Scores for Tebuconazole and Thiocloprid

laboratory number	analyte							
	tebuconazole assigned value 65.1 µg/kg				thiocloprid assigned value 13.8 µg/kg			
	result µg/kg	recovery %	LoQ µg/kg	z-score	result µg/kg	recovery %	LoQ µg/kg	z-score
029	62.93	102.78	30	-0.2	<LoQ	100	30	
030	80	105	10	1.0	11	90	10	-0.9
031	68	-	15	0.2	<LoQ	-	10	
032	56	81	10	-0.6	13	100	10	-0.3
033	68	92	10	0.2	30	90	10	5.4
034	43	88	10	-1.5	0			-4.5
035	#				#			
036	47	85	10	-1.3	14	98	10	0.1
037	64	70	10	-0.1	10	87	10	-1.2
038	0	85	10	-4.5	<LoQ	0	10	
039	<LoQ	85	60		12	95	10	-0.6
040	100	72	10	2.4	11	96	10	-0.9
041	66	98	10	0.1	11	98	10	-0.9
042	62			-0.2	16			0.7
043	60.93	111.6	20	-0.3	0			-4.5
044	65		10	0.0	#			
045	62	100	10	-0.2	13	115	10	-0.3
046	48			-1.2	0			-4.5
047	58	110.9	10	-0.5	12		10	-0.6
048	45.7	>80	10	-1.4	#			
049	0		30	-4.5	<LoQ		50	
050	41		10	-1.7	<LoQ		10	
051	81	85	0.01	1.1	#			
052	58	83	10	-0.5	17	114	10	1.1
053	107		10	2.9	12		10	-0.6
054	88	103	20	1.6	22	100	20	2.7
055	74	81.5	10	0.6	12	82	10	-0.6
056	48	72.1		-1.2	5	34		-2.9

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

LoQ = limit of quantification