



Qualitätssicherung. Vom Erzeuger bis zur Ladentheke.



QS. Ihr Prüfsystem  
für Lebensmittel.

## ***Laboratory Performance Assessment***

**Spring 2011**

***QS Fachgesellschaft – Obst-Gemüse-Kartoffeln GmbH***

***Report***

**Test Material A**

***Pesticide Residues in Leek Purée***

April 2011

laboratory code	Boscalid spiked level: 350 µg/kg				Cypermethrin [alpha] spiked level: 50 µg/kg			
	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 245-420	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 35-60
31	418	85	5	yes	38	100	10	yes
35	420	91	10	yes	47	96	10	yes
36	314	89	10	yes	41	73	10	yes
37	331			yes	56			yes
38	366	84	50	yes	42	93	10	yes
39	256	92	10	yes	46	108	30	yes
40	300	75	0,5	yes	36	93	2	yes
45	308	94	10	yes	55	101	10	yes
50	370	100	10	yes	50	100	10	yes
65	360	90	5	yes	60	107	5	yes
69	308	103	10	yes	52	97	10	yes
70	265	101	5	yes	30,5	97	10	no
73	350	95	10	yes	47	110	10	yes
78	148		10	no	28		10	no
80	340	96	10	yes	45	92	10	yes
81	401	106	10	yes	41	105	30	yes
83	479	67	10	no	44	96	10	yes
85	354	102	5	yes				n.r.
87	350	100	10	yes	70	95	10	no
90	626		10	no				n.r.
94	322	110	10	yes	36	103	10	yes
95	326	100	10	yes	48	97	10	yes
98	324	89	10	yes	44	105	10	yes

Table 1: Results for Boscalid and Cypermethrin [alpha] in Leek Purée Test Material A

laboratory code	Difenoconazol spiked level: 120 µg/kg				Famoxadon spiked level: 180 µg/kg			
	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 84-144	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 126-216
31	159	90	10	no	185	110	10	yes
35	120	98	10	yes	240	98	10	no
36	101	117	10	yes	204	122	10	yes
37	113			yes	184			yes
38	111	99	10	yes	145	95	10	yes
39	98	102	10	yes	200	95	10	yes
40	106	79	3	yes	130	78	3	yes
45	100	116	10	yes	214	115	10	yes
50	117	100	10	yes	200	100	10	yes
65	118	99	5	yes	180	87	5	yes
69	134	85	10	yes	179	75	10	yes
70	100,7	94	10	yes	174,3	94	10	yes
73	140	92	10	yes	170	115	10	yes
78	31		10	no				n.r.
80	119	105	10	yes	169	96	5	yes
81	110	103	10	yes	168	110	10	yes
83	108	91,8	10	yes	121	91	10	no
85	130	112	5	yes	160	95	5	yes
87	110	108	10	yes	170	110	10	yes
90	120		10	yes	176		10	yes
94	93	107	10	yes	155	93	10	yes
95	112	95	10	yes	164	90	10	yes
98	103	96	10	yes	198	84	10	yes

**Table 2: Results for Difenoconazol and Famoxadon in Leek Purée Test Material A**

	<b>Fluazifop-P</b> spiked level: 45 µg/kg				<b>Imidacloprid</b> spiked level: 80 µg/kg			
<b>laboratory code</b>	<b>result (µg/kg)</b>	<b>recovery (%)</b>	<b>LoQ (µg/kg)</b>	<b>accepted range (µg/kg): 31,5-54</b>	<b>result (µg/kg)</b>	<b>recovery (%)</b>	<b>LoQ (µg/kg)</b>	<b>accepted range (µg/kg): 56-96</b>
31				n.r.	195	70	5	no
35	30	83	10	no	83	92	10	yes
36	53	94	10	yes	76	89	10	yes
37	48			yes	50			no
38	43	100	10	yes	74	95	10	yes
39	39	77	10	yes	78	109	10	yes
40	35	78	3	yes	71	77	3	yes
45	43	85	10	yes	68	94	10	yes
50	46	100	10	yes	92	100	10	yes
65	50	100	5	yes	120	85	5	no
69	39	77	10	yes	80	85	10	yes
70				n.r.	58,3	91	10	yes
73	50	89	10	yes	82	83	10	yes
78	36		10	yes	88		10	yes
80	48	78	5	yes	80	97	25	yes
81	44	100	10	yes	71	108	10	yes
83				n.r.	167		10	no
85	43	106	5	yes	84	93	5	yes
87	70	92	10	no	80	105	10	yes
90				n.r.	69		10	yes
94				n.r.	66	85	10	yes
95				n.r.	81	100	10	yes
98	37	120	10	yes	75	101	10	yes

**Table 3: Results for Fluazifop-P and Imidacloprid in Leek Purée Test Material A**