



Qualitätssicherung. Vom Erzeuger bis zur Ladentheke.



QS. Ihr Prüfsystem  
für Lebensmittel.

**Laboratory Performance Assessment**  
*Autumn 2011*

*QS Fachgesellschaft – Obst-Gemüse-Kartoffeln GmbH*

*Report*

**Test Material B**

*Pesticide Residues in Spring Onion Purée*

October 2011

laboratory code	Carbendazim spiked level: 80 µg/kg				Fluazifop-P spiked level: 110 µg/kg			
	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 56-96	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 77-132
121	70	90	10	yes	70	92	10	no
153	77	85	10	yes	167	101	10	no
163	62	70-120	10	yes	62	70-120	10	no
136	60	90	10	yes	45	76	10	no
144	57	80	10	yes	84	84	10	yes
111	67	89	10	yes	110	86	10	yes
131	60	95	5	yes	72	95	10	no
132	66	100	10	yes	81	90	10	yes
135	115	75	10	no	115	79	10	yes
134	66	96	10	yes	103	96	10	yes
152	62	84	10	yes	120	100	10	yes
112	55	96,5	10	no	140	135,3	10	no
124	93	97	10	yes	111	93	10	yes
156	60	103	10	yes	117	98	10	yes
139	78	90	5	yes	130	90	10	yes
138	74	88	10	yes	104	85	10	yes
172	110	90	10	no				n.r.
160	92	100	10	yes	117	100	10	yes
141				n.r.				n.r.
154	80	65,2	10	yes	120	80,4	10	yes
171	40		10	no				n.r.
166	64	96	10	yes	71	92	10	no
167	60	78	10	yes	50	89	10	no
175	58	104	10	yes				n.r.
108	73		10	yes	31		10	no
174	104	84	10	no	87	90	10	yes

**Table 1: Results for Carbendazim and Fluazifop-P in Spring Onion Purée Test Material B**

laboratory code	DDE p,p spiked level: 70 µg/kg				Etofenprox spiked level: 40 µg/kg			
	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 49-84	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 28-48
121	42	90	10	no	36	95	10	yes
153	58	99	10	yes	40	86	10	yes
163	55	70-120	10	yes	32	70-120	10	yes
136	66	93	10	yes	28	90	10	yes
144	59	79	10	yes	35	91	10	yes
111	68	101	10	yes	35	94	10	yes
131	40	95	5	no	30	95	5	yes
132	69	105	10	yes	37	103	10	yes
135	96	75	10	no	48	80	10	yes
134	49	96	10	yes	36	99	10	yes
152	70	73	10	yes	34	97	10	yes
112	55	104	10	yes	37	111	10	yes
124	61	99	10	yes	38	101	10	yes
156	73	90	10	yes	30	102	10	yes
139	60	90	3	yes	35	90	10	yes
138	52	93	10	yes	37	93	10	yes
172	76	99	10	yes	98	95	10	no
160	85	100	10	no	42	100	10	yes
141	61	109	5	yes	35	113	10	yes
154	56	111	10	yes	29	101	10	yes
171	50		10	yes	40		10	yes
166	56	102	10	yes	35	103	10	yes
167	57	90	10	yes	36	87	10	yes
175	47	82,3	10	no	42	126	10	yes
108				n.r.	25		10	no
174	85	92	5	no	49	112	10	no

Table 2: Results for pp-DDE and Etofenprox in Spring Onion Purée Test Material B

laboratory code	Trifluralin spiked level: 240 µg/kg				Prosulfocarb spiked level: 50 µg/kg			
	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 168-288	result (µg/kg)	recovery (%)	LoQ (µg/kg)	accepted range (µg/kg): 35-60
121	180	95	10	yes	35	98	10	yes
153	236	71	10	yes	40	88	10	yes
163	160	70-120	10	no	50	70-120	10	yes
136	151	110	10	no	33	78	10	no
144	239	81	10	yes	43	83	10	yes
111	210	83	10	yes	49	98	10	yes
131	120	95	5	no	40	95	10	yes
132	221	90	10	yes	46	98	10	yes
135	290	90	10	no	52	71	10	yes
134	219	97	10	yes	47	103	10	yes
152	192	97	10	yes	43	76	10	yes
112	512	120	15	no	51	109	10	yes
124	189	103	10	yes	45	104	10	yes
156	141	115	10	no	44	100	10	yes
139	140	90	10	no	70	90	10	no
138	187	71	10	yes	53	89	10	yes
172	196	92	10	yes				n.r.
160	242	100	10	yes	55	100	10	yes
141	185	104	10	yes	45	110	10	yes
154	120	105	10	no	39	103	10	yes
171	150		10	no	37		10	yes
166	171	101	10	yes	42	95	10	yes
167	175	84	10	yes	41	77	10	yes
175	225	102	10	yes				n.r.
108	184		10	yes				n.r.
174	206	86	10	yes	40	90	10	yes

**Table 3: Results for Trifluralin and Prosulfocarb in Spring Onion Purée Test Material B**