

Test Report

Berlin, 06.09.2019

Sample number: 19/093997
Client: BILLA Bulgaria Ltd.
 55 Bulgaria Blvd.
 Bulgaria-1404 Sofia
Date of entrance: 04.09.2019
Samplename: rucola
Samplenummer customer: 00BBU19090302
Organic: no
Origin: Bulgaria
Grower:
Lot: 36/02
Unit: 100 g
Quantity: 10
Package: flowpack, label
Sampling: by client, sample entry by delivery service
Added Identification: Seal Nr. 0395312
Begin of examination: 04.09.2019
End of examination: 06.09.2019



Examination of pesticides¹⁾

Scope of testing:		Pestizides GC		
Examination method:		PV-SA-085 (GC) ² ; (GC-MS/MS) 2019-06		
Parameters	Unit	Result	MRL	RL
Pentachloroanisole	mg/kg	<LoQ	0,01	0,010
Scope of testing:		pesticides LC		
Examination method:		PV-SA-085 (LC) ² ; (LC-MS/MS) 2019-06		
Parameters	Unit	Result	MRL	RL
Deltamethrin	mg/kg	0,062	2,00	0,010
Spinosyn A	mg/kg	0,094		0,010
Spinosyn D	mg/kg	0,068		0,010
Spinosad: sum of spinosyn A and spinosyn D, expressed as spinosad	mg/kg	0,16	10,00	0,010
Scope of testing:		Nitrat		
Examination method:		ASU, L26.00-1; (HPLC-UV) 2001-07		
Parameters	Unit	Result	MRL	RL
Nitrate	mg/kg	4158	6000	5

RL = Reporting limit

MRL = Maximum residue level

- 1) Overview of the examined pesticides after the Combi-method (PV-SA-085), state 21.08.2019
 2) PV-SA-085: combined procedure from the methods DFG S19 and QuEChERS with the detection modules LC-MS/MS and GC-MSD

ARfD-Evaluation:

Substance	Content [mg/kg]	MRL [mg/kg]	EH MRL [%]	QC [g]	VF	Intake [mg/kg BW]	ARfD [mg/kg KG]	EH ARfD [%]	NoP
Pentachloroanisole	<LoQ	0,01	-	43,44	1	0,00000	n.e.	-	0
Deltamethrin	0,062	2,00	3,1	43,44	1	0,00017	0,0100	1,7	1
Spinosyn A	0,094			43,44	1	0,00025	n.e.	-	0
Spinosyn D	0,068			43,44	1	0,00018	n.e.	-	0
Spinosad: sum of spinosyn A and spinosyn D, expressed as spinosad	0,16	10,00	1,6	43,44	1	0,00043	0,1000	0,4	1

Calculation model: EFSA PRIMo rev3

Calculation model: (Fruit weight: <25 g)

QC = Quantity of consumption

VF = Variability-factor

EH = Exhaustion

MRL = Maximum residue level

NoP = Number of Pesticides

n.e. = not exist

BW = Body weight

Referenced body weight: 16,15 kg

Conclusion

Within the scope of analysis the product meets the demands of the EU Regulation concerning the maximum residues levels for pesticides in or on food and is marketable [1,2].

References:

[1] Collection of texts on food law in the most current version, publisher C. H. Beck

[2] Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC