

Test Report

Berlin, 11.01.2019

Sample number: 19/002760
Client: BILLA Bulgaria Ltd.
 55 Bulgaria Blvd.
 Bulgaria-1404 Sofia
Date of entrance: 11.01.2019
Sample name: Chinese cabbage 902
Sample number customer: 00BBU19010902
Organic: no
Origin: Bulgaria
Grower:
Lot: L02/03
Unit: Stück
Quantity: 4
Package: bulk product, foil, label
Sampling: by client, sample entry by delivery service
Added Identification: Seal Nr. 0267395
Begin of examination: 11.01.2019
End of examination: 11.01.2019



Examination of pesticides¹⁾

Scope of testing:	Pestizides GC			
Examination method:	PV-SA-085 (GC) ²			
Parameters	Unit	Result	MRL	RL
Pestizid-Screening		not detected		
Scope of testing:	pesticides LC			
Examination method:	PV-SA-085 (LC) ²			
Parameters	Unit	Result	MRL	RL
Fluazifop-P (free acid)	mg/kg	0,097		0,010
Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)	mg/kg	0,11	0,01	0,010

RL = Reporting limit

MRL = Maximum residue level

- 1) Overview of the examined pesticides after the Combi-method (PV-SA-085), state 15.12.2018
 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
Fluazifop-P (free acid)	0,097			114,4	5	0,00312	n.e.	-	0
Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)	0,11	0,01	1.100,0	114,4	5	0,00353	0,0170	20,8	1

Calculation model: EFSA PRIMo rev3

Calculation model: 2b (Fruit weight: 663 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: 17,8 kg

Conclusion

The examined sample contains Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop) at a concentration of 0.11 mg/kg, which exceeds the maximum residue level of 0.01 mg/kg. This maximum limit is exceeded even in consideration of an expanded analytical measurement uncertainty of 50 %*.

Therefore, within the scope of analysis and in consideration of an expanded analytical measurement uncertainty the product does not meet the demands of the EU Regulation concerning the maximum residue levels for pesticides in or on food and is not marketable [1,2].

* Recommendation of Codex Committee in order to assess the measurement uncertainty by pesticide residues analysis (Document N° SANTE/11945/2015 from 01.12.2015).

References:

[1] Collection of texts on food law in the most current version, publisher house 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