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Mr. Z. Medlinsky CEO

Green Life Group

Ashdod Israel

Dear Mr. Medlinsky,

Enclose please find a summary of experiment conducted with your product at the Robert H. Smith, Faculty of Agriculture, Food and Environment Rehovot.

The objective of the study was to examine the safety use of Green Up C[®] detergent and disinfectant agent on blood and eggs residuals of Boron (key agent in Green Up C[®]).

Animals: the animal care committee of the Hebrew University of Jerusalem (NIH approval number OPRR A01-5011) approved all experimental procedures. (Appendix 1).

Three hens (Lohman LSL extra) at 40 weeks of age purchased from commercial poultry house and housed in the Faculty of Agriculture poultry house in individual cages. All rearing procedures conducted according to primary breeder's recommendations.

Treatments: Birds were sprayed with 5% Green Up C[®], blood samples and eggs were daily collected one day prior treatment (day 0) and then collected at day 1, 5 and 10. Blood samples and eggs were sent for analysis at certified chemical laboratory at the Hebrew University of Jerusalem, Faculty of Agriculture, Food and Environment (Z.B.M. - the analytical laboratory operated by Dr. Vasiliy V. Rosen).

Results: All results presented in appendix 1. In brief, Boron was not detected in blood and eggs after treatment with Green Up C[®] directly spared on the chickens.

Conclusion: According to the results presented we conclude that Green Up C[®], is safe to use on laying hens during egg production period, since no residuals were found in the blood and in eggs of treated birds. Eggs produced by laying hens treated with Green Up C[®] are safe for human consumption.

Prof. Israel Rozenboim

Appendix 1: Laboratory results



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Acid digestion (Hot-Block and Microwave-assisted) and ICP-MS analysis of Boron (B) concentration in blood and egg samples

Blood

Sample	mg B/kg blood
0-1	0.247
0-2	0.291
0-3	0.450
1+1	0.322
1+2	0.206
1+3	0.083
5+1	0.483
5+2	0.352
5+3	0.526
10+1	0.050
10+2	0.077
10+3	0.008

Eggs

Sample	mg B/kg fresh egg
0-1	0.016
0-2	0.059
0-3	0.060
1+1	0.027
1+2	0.055
1+3	0.047
5+1	0.026
5+2	0.018
5+3	0.007
10+1	0.008
10+2	<0.01
10+3	0.039

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QC: CRM 1547 Peach leaves was digested with HNO₃ using microwave-assisted digestion and analyzed on ICP-MS. The concentration of B found 27.13±1.2 mg/kg . The certified value is 28.73±0.81 mg/kg.

Sample preparation

Blood samples digestion. About 1 g of blood was mixed with 4 mL of HNO₃ 35% and 1 mL of H₂O₂ 30%, then heated on the Hot-Block set up on 100 C during several hours. The samples were filtered 0.45 um (Millex filter) prior to ICP-OES analysis.

Egg samples digestion. Whole egg was homogenized by vortex and side-by-side shaker (1 h), then approx. 2.5 g of fresh material was digested with 5 mL of HNO₃ 35% and 1 mL of H₂O₂ 30% using microwave-assisted digestion. The samples were dissolved completely.

בברכה

ד"ר וסילי רוזן