

**The Hebrew University of
Jerusalem**

**האוניברסיטה העברית
בירושלים**

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הפקולטה לחקלאות, מזון
וסביבה ע"י רוברט ה. סמית
המחלקה למדעי בעלי חיים
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המחלקה למדעי בעלי חיים
Department of Animal Sciences

Email: rully.r@huji.mail.ac.il

15-9-2020

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[®] detergent and disinfectant agent on in production laying hens.

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

Ninety 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 divided to 3 groups (n=30). Group 1 was sprayed with 5% Green Up[®], group 2 was fogged with 15% Green Up[®], and the third group was untreated and served as control.

One week prior to experiment initiation body weight was recorded follow by daily recording of egg production, egg quality and feed consumption. In addition, sterile swabs were taken from bird wings and sent to certified analysis company (Bactochem, Appendix 2). All Green Up[®] treatments conducted at the same day and all parameters mention above were daily recorded for one week.

Green Up[®] residual study was conducted on eggs collected during spay and fog procedure and after. Residuals were searched on eggshell and inside eggs. Whole eggs tested in Bactochem company (Appendix 2)

Results

All parameters recorded in this experiment are in table 1-3. In all parameters tested, no significant differences between treatments prior, in, and after the experiment were recorded.

Table 1: Average daily % egg production of laying hens treated with Green Up[®] spray and fog

group	day (-7)- (-1)	day 0	day 1-7
spray	84.44	84.44	84.44
fog	84.44	84.44	85.56
control	84.44	84.44	85.56

Table 2: Daily feed consumption (g) of laying hens treated with Green Up[®] spray and fog (avg per day)

group	day (-7)- (-1)	day 0	day 1-7
spray	123.56	123.56	123.71
fog	123.64	123.79	123.79
control	123.71	123.76	123.76

Table 3: Body weight (kg) of laying hens treated with Green Up[®] spray and fog (kg)

group	before treatment	week after treatment
spray	1.762	1.789
fog	1.768	1.790
control	1.767	1.790

No mortality or morbidity were detected in all groups during the experimental time. No significant differences measurements in body weight, egg production and feed consumptions were recorded. No residuals were found on egg shells and in shells organs (albumen, yolk) after spray/fog.

As a conclusion of this study **I declare** that the use of Green Up[®] in chicken houses is safe to birds and humans. Green Up[®] doesn't cause any harm to live poultry, while conducting a cleaning and disinfecting procedure and doesn't penetrate eggs and other poultry products.

Prof. Israel Rozenboim





December 31, 2018

Ethics Committee - research number: AG-18-15632-4

To: Israel Rozenboim

The committee has reviewed your application entitled:
safety study of Green Up Sanitation and Cleaning product on laying hens.

and found it compatible with the standards for care and use of laboratory animals.
Please note that any deviation from the approved procedures should be brought to approval by the committee.

Approval Date: 26/12/2018

Duration: From February 1, 2019 to May 1, 2019

Before you can start your research, please see the necessary steps you need to take at the following "[Instruction for researchers after the application approval](#)".

Please select from the document the instructions relevant to your research and comply.

Sincerely

Sameer Mabjeesh
Chairman of the Committee*

NIH approval number: OPRR-A01-5011

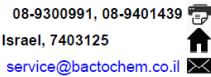
* Chairman of Committee on the day of issuance of this document.

Appendix 3:

Form No. F-603-09. Procedure QP-021



18 Hacharash st., Ness Ziona, Israel, 7403125



Certificate Of Analysis: 535698

Final Report

Customer details	Contact details
Name: Green Life group Ltd.	Name:
Address: 3 HaKiryon st	Phone:
City: ASHDOD	Mobile:
Zip: 77520	Fax:

Project: D100219-0006
Chain of Cust. Form no. Customer Netila Sample Acc. Time 21/01/2019 16:00:00
Sampled by CUSTOMER

Sample description: ביצה- זמן 0ב תוכן ביצה	Sample No: 760866
Storage conditions: Room Temp. Sampling time: 21/01/2019	Grade remark: 334

Analysis	Result	Specification	Units	LOQ*	Method	Remarks
Pesticides residues by GC/MS					In house procedure;Based on: Sanco, FDA-PAM	
Not detected	Not Detected		-			
Pesticides residues by LC/MS					In house procedure;Based on: QuEChERS, SANCO	
Not detected	Not Detected		-			

Sample description: ביצה- זמן 0ב קליפה	Sample No: 760867
Storage conditions: Room Temp. Sampling time: 21/01/2019	Grade remark: 334

Analysis	Result	Specification	Units	LOQ*	Method	Remarks
Pesticides residues by GC/MS					In house procedure;Based on: Sanco, FDA-PAM	
Not detected	Not Detected		-			
Pesticides residues by LC/MS					In house procedure;Based on: QuEChERS, SANCO	
Not detected	Not Detected		-			

Sample description: ביצה- זמן 0ר תוכן ביצה	Sample No: 760868
Storage conditions: Room Temp. Sampling time: 21/01/2019	