## **Accepted Manuscript**

Toxicity of the main electronic cigarette components, propylene glycol, glycerin, and nicotine, in Sprague-Dawley rats in a 90-day OECD inhalation study complemented by molecular endpoints

Blaine Phillips, Bjoern Titz, Ulrike Kogel, Danilal Sharma, Patrice Leroy, Yang Xiang, Grégory Vuillaume, Stefan Lebrun, Davide Sciuscio, Jenny Ho, Catherine Nury, Emmanuel Guedj, Ashraf Elamin, Marco Esposito, Subash Krishnan, Walter K. Schlage, Emilija Veljkovic, Nikolai V. Ivanov, Florian Martin, Manuel C. Peitsch, Julia Hoeng, Patrick Vanscheeuwiick

PII: S0278-6915(17)30511-2

DOI: 10.1016/j.fct.2017.09.001

Reference: FCT 9267

To appear in: Food and Chemical Toxicology

Received Date: 19 April 2017

Revised Date: 23 August 2017

Accepted Date: 1 September 2017

Please cite this article as: Phillips, B., Titz, B., Kogel, U., Sharma, D., Leroy, P., Xiang, Y., Vuillaume, Gré., Lebrun, S., Sciuscio, D., Ho, J., Nury, C., Guedj, E., Elamin, A., Esposito, M., Krishnan, S., Schlage, W.K., Veljkovic, E., Ivanov, N.V., Martin, F., Peitsch, M.C., Hoeng, J., Vanscheeuwijck, P., Toxicity of the main electronic cigarette components, propylene glycol, glycerin, and nicotine, in Sprague-Dawley rats in a 90-day OECD inhalation study complemented by molecular endpoints, *Food and Chemical Toxicology* (2017), doi: 10.1016/j.fct.2017.09.001.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Title** 

Toxicity of the main electronic cigarette components, propylene glycol, glycerin, and nicotine, in Sprague-Dawley rats in a 90-day OECD inhalation study

complemented by molecular endpoints

Blaine Phillips\*,a, Bjoern Titz\*,b, Ulrike Kogel\*,b, Danilal Sharma\*,a, Patrice Leroyb, Yang Xiangb, Grégory

Vuillaume<sup>b</sup>, Stefan Lebrun<sup>b</sup>, Davide Sciuscio<sup>b</sup>, Jenny Ho<sup>a</sup>, Catherine Nury<sup>b</sup>, Emmanuel Guedj<sup>b</sup>, Ashraf

Elamin<sup>b</sup>, Marco Esposito<sup>b</sup>, Subash Krishnan<sup>b</sup>, Walter K. Schlage<sup>c</sup>, Emilija Veljkovic<sup>a</sup>, Nikolai V. Ivanov<sup>b</sup>,

Florian Martin<sup>b</sup>, Manuel C. Peitsch<sup>b</sup>, Julia Hoeng<sup>b</sup>, Patrick Vanscheeuwijck<sup>#,b</sup>

<sup>a</sup> Philip Morris International Research Laboratories, 50 Science Park Road, Singapore, Singapore (part of Philip Morris

International group of companies)

<sup>b</sup> Philip Morris International Research and Development, Philip Morris Products S.A., Quai Jeanrenaud 5, 2000 Neuchatel,

Switzerland (part of Philip Morris International group of companies)

<sup>c</sup> Biology consultant, Max-Baermann-Str. 21, 51429 Bergisch Gladbach, Germany

\* B.P., B.T., U.K., and D.S. contributed equally to this manuscript.

\*Corresponding author:

Patrick Vanscheeuwijck, PhD

E-mail: Patrick.vanscheeuwijck@pmi.com

Tel: +41 (58) 242 2511

Fax: +41 (58) 242 2811

## Download English Version:

## https://daneshyari.com/en/article/5559973

Download Persian Version:

https://daneshyari.com/article/5559973

Daneshyari.com