

Health Canada  
Health Products and Food Branch  
Food Directorate  
Bureau of Chemical Safety  
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Our Files: ADDOS21040901

Chris Huxtable  
President  
<https://frylow.com/>  
[chris@frylow.com](mailto:chris@frylow.com)

**RE: Frylow™ ceramic device to be used in cooking oil for foods**

Dear Mr. Huxtable,

This is in response to the email of April 9, 2021, from John Bauman, which requested an opinion on the use of Frylow™, an oil extending photo-catalytic ceramic device, in commercial deep fryers to extend the fry oil's lifespan and improves the quality of fried foods.

Based on the information provided, the device is to be placed in the oil fryer and is composed of:  
a) titanium dioxide powder and black and gray clay containing silica. The device contains no toxic substances, and will not leach anything into the hot cooking oil, meaning that no chemicals are either transferred or absorbed in the process by which Frylow's active ceramic works to extend the longevity of cooking oil.

Health Canada would have no objection from a chemical safety perspective to the use of Frylow™ ceramic device as indicated above provided that:

(1) All components used in the composition of Frylow™ ceramic device are of food grade quality and meet their respective specifications set out in the most recent edition of the *Food Chemicals Codex* or their most recent specifications prepared by the Joint FAO/WHO Expert Committee on Food Additives (JECFA), when such specifications exist;<sup>1</sup>

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<sup>1</sup> JECFA's specifications are in the *Combined Compendium of Food Additive Specifications*, which is available in an online edition at: <http://www.fao.org/food/food-safety-quality/scientific-advice/jecfa/jecfa-additives/en/>

(2) There are no or negligible residues remaining in or on the finished cooked food as a result of being exposed to the oil treated with Frylow™ ceramic devices, including residues of reaction products that might occur as a result of interactions between the treated cooking oil and the foods; and

(3) The Frylow™ ceramic devices are used in accordance with good manufacturing practices as part of an acceptable quality control program wherein such use is considered necessary to produce a safe food, is efficacious for this purpose, and the Frylow™ ceramic devices are not used as a substitute for good hygienic practices.

This letter of opinion indicates conditions under which Health Canada would have no objection to the requested use of Frylow™ ceramic devices. However, the food seller is responsible for ensuring that the use of any substance in food manufacture or processing does not result in a violation of section 4 of the *Food and Drugs Act*.

This letter is not an opinion regarding the efficacy of Frylow™ ceramic devices in any particular food processing application and it is not an opinion regarding the acceptability of Frylow™ ceramic devices and their use with respect to occupational health and safety. The latter is in general subject to provincial and territorial oversight.

We trust this is satisfactory.

Sincerely,

X Josée Bouchard

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Josée Bouchard

Signed by: Bouchard, Josee

Josée Bouchard, BSc.  
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Chemical Health Hazard Assessment  
Division