

June 22, 2017

Kristina Rebrovic
Resinex
Ravago Group
Moerenstraat 85A
2370 Arendonk
Belgium

Dear Ms Rebrovic,

This letter provides our assurance that Ingeo™ biopolymer 2003D, 2500HP, 3D850, 3001D, 3052D, 3100HP, 3251D, 3260HP, 4032D, 4043D, 7001D and 8052D, a polylactic acid polymer, as supplied from our factory gate is suitable for use in food-contact applications in the European Union (EU).

The Ingeo™ product complies with Article 3, 11(5), 15, and 17 of Regulation (EC) No 1935/2004, as amended (the Framework Regulation), and Commission Regulation (EU) No 10/2011 (the Plastics Regulation), as amended through 752/2017, which apply in all EU Member States. All monomers, other starting substances, and additives used in the manufacture of Ingeo™ are listed in Table 1 of Annex 1 of the Plastics Regulation. There are no specific migration limits (SML) or total specific migration limits SML(T) listed in Table 1 of Annex I for these ingredients. Moreover, the product does not contain any substances listed in Annex II of the Plastics Regulation.

While the components of the Ingeo™ product are not subject to any SMLs or SML(T)s, the Plastic Regulation (Regulation (EU) 10/2011) specifies that plastic materials and articles shall meet an overall migration limit (OML) of 10 mg/dm² (however, a more restrictive limit applies for products intended for use for infants or young children). The Ingeo™ product complies with this limit based on the testing that NatureWorks LLC has performed. The finished material or article manufacturer is responsible for insuring that the finished product in which Ingeo™ is used complies with the OML.

Lactic acid is a Dual Use Additive based on its clearance for direct addition to food in the EU. However, it is cleared for use at *quantum satis* levels, and any lactic acid that may be contributed to food based on the use of the Ingeo™ product in contact with food will not impact the status of food with respect to lactic acid levels. In addition, Commission Regulation (EC) 1895/2005/EC on the restriction of use of certain epoxy derivatives in materials and articles intended to come into contact with food does not apply because the Ingeo™ product is not made with 2,2-bis(4-hydroxyphenyl) propane bis(2,3-epoxypropyl) ether and its derivatives; bis(hydroxyphenyl)methane bis(2,3-epoxypropyl)ethers; or other novolac glycidyl ethers.

Based on the testing that NatureWorks LLC has performed, the referenced grade(s) is suitable for use with all food types under condition OM6 (and below).

This grade complies with Commission Regulation (EC) 2023/2006 on good manufacturing practice (GMP) for materials and articles intended to come into contact with food. The product also complies with European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste with respect to the heavy metal content limits described in Article 11. It is recoverable in the form of material recycling, energy recovery, and composting per Annex II point 3, subject to the standards of the local community.

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It is the responsibility of the manufacturer of the finished food-contact article to determine that the use of a product is safe, lawful, and technically suitable for the intended application. The marketer of the finished food-contact material or article is responsible for ensuring that any applicable limitations and specifications found under the Plastics Regulation are met by the finished food-contact product.

Since the manufacture of the finished food-contact article is outside of NatureWorks LLC control, NatureWorks LLC makes no warranties, express or implied, and assumes no liability in connection with any use of this information. In addition, our assurance statement is subject to the terms and conditions set forth in the invoice or other contract or shipping document issued by NatureWorks LLC with respect to any limitations on liability.

Best Regards,



William A. Suehr
COO
NatureWorks LLC

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