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BioLogiQ Creates Marine Biodegradable Plastic Using PBAT

NuPlastiQ MB BioPolymer biodegrades within one year according to ASTM-D6691

August 15, 2018 (IDAHO FALLS, ID)—[BioLogiQ](#), Inc., a bioplastic resin manufacturing company specializing in sustainable plastic products made from renewable resources, announced today that test results show its [NuPlastiQ](#) MB BioPolymer, produced by blending NuPlastiQ GP with PBAT (polybutylene adipate terephthalate), is marine biodegradable. Performed by Eden Research Laboratory, results show 97% biodegradation of a GP/PBAT film in ocean water within a one-year period, according to ASTM-D6691 standards for marine biodegradability.

The key to this innovative new plastic compound is BioLogiQ's NuPlastiQ GP General Purpose BioPolymer. GP is a 100% natural, renewably-resourced, plant-based resin that has been certified by TUV Austria to marine biodegrade in 28 days. When PBAT is mixed with NuPlastiQ GP, it will also biodegrade in marine environments.

Brad LaPray, President and Founder of BioLogiQ, stated that, "Our ability to produce a marine biodegradable film using a material that was previously not marine biodegradable is a huge technical accomplishment that can significantly reduce both plastic marine debris and the negative effects this debris can have in our oceans."

He added that, "Given the current concern regarding plastics and ocean pollution, we are working on NuPlastiQ MB marine biodegradable formulations of NuPlastiQ GP with polyethylene and polypropylene. Our target applications are drink cups, straws, lids, and grocery sacks."

When asked about certifying the new resin, Mr. LaPray said that, "The ability for plastics to biodegrade in a marine environment is so new and unusual that acceptable certification standards do not exist. We plan to work with industry and governments to develop new standards."

About BioLogiQ

Founded in 2011, BioLogiQ, Inc. of Idaho Falls, makes polymers from plants. It was established to create a useful plastic from the excess starch produced (and usually discarded) during potato processing. The company's goal is to help build a world free of pollution caused by fossil fuel-based plastics. For more information, visit www.biologiq.com or www.nuplastiq.com.

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