

## **BEAUGRAND** Johnny

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## To whom is concerned:

## **Declaration of biodegradability of the 'Amidograf'** stapling clip

I'm a senior scientist from the French National Institute for Agricultural Research. My research area focus on biobased composites and biopolymers.

I hereby provide the statement that the '*Amidograf*' stapling clip is both a biodegradable formulation and a biodegradable product. Indeed, we have observed and measured some scientific evidences for the visual decomposition and the assimilation by soil microorganisms of the '*Amidograf*'.

Those experiments were conducted in the frame of a R&D collaborative program, where we did some trials in field (vines of Champagne, France) and also as *in situ* laboratory investigations under controlled environmental conditions (FARE laboratory, Reims, France).

We saw that the '*Amidograf*' visually fragmented more and faster than many others control formulations, and more over we measured in lab the significant mineralization of the stapling clip by the soil microorganisms (as CO<sub>2</sub>), so by a natural biological process.

Nantes, France, the 22th of September 2017

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