



DNA-based physical traceability solution to identify food products along the supply chain

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Haelixa

1 Introduction

Haelixa is an ETH spinoff delivering a DNAbased physical traceability solution for full supply chain transparency from raw material to retail. The Haelixa patented technology uses a novel class of DNA markers: DNA sequences protected within robust and extremely small particles. The markers are applied to the raw material at the source, providing it with a traceable fingerprint.



4 Contribution to Sustainable Food Systems

Haelixa's mission is to accelerate the transition to a transparent consumer goods industry, empowering consumers and brands to make conscious decisions about their purchases and their social and environmental impact.

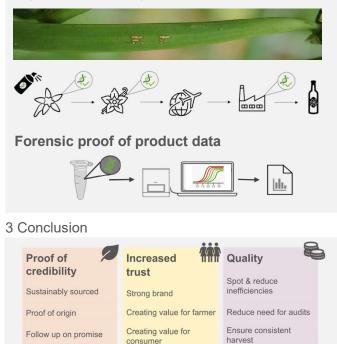
- Patent applications: 3 (WO2013143014, WO2020011807, WO2016169904) More than 20 scientific publications in outstanding journals including: R. N. Grass, H. Reinhard, M. Puddu, D. Paunescu, W. J. Stark, **Angew. Chem. Int. Ed.**, 54, 2015. D. Paunescu, C. Mora, M. Puddu, F. Krumeich, R. N. Grass, **J. Mater. Chem. B**, 2, 2014. M. Puddu, D. Paunescu, W. J. Stark, R. N. Grass, **AGS Mater. Chem. B**, 2, 2014. D. Paunescu, M. Puddu, J.O.B. Soellner, P.R. Stoessel, R.N. Grass, **Nat. Protoc.**, 8, 2013.

2 Solution



HOW IT WORKS

Physical traceability from farm to retail







Transparency is in our DNA.

Let's make your product

stories transparent too!



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