

Genius loci...

# KeyLock

unique authenticity control



Science and  
Technology Park

Palacký University  
Olomouc



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## unique authenticity control

KeyLock represents brand new technology for authenticity control based on the use of pair of unique chemical compounds called Key and Lock. One component (authenticity marker–Key) is intentionally added to the controlled product in a small quantity (nanogram per liter), which makes it permanently marked. The authenticity of product can be therefore proved using second component (Lock). The KeyLock technique shows not only the presence or the lack of the authenticity marker, but enables also evaluation of its concentration and therefore concentration of labeled product.



### Key advantages

- addition of marker on packaging or directly into the product
- zero effect on characteristics and quality of the controlled product
- inability to unauthorized detection of marker in the product
- generation of various keys to distinguish different producers or batches



## Potential applications

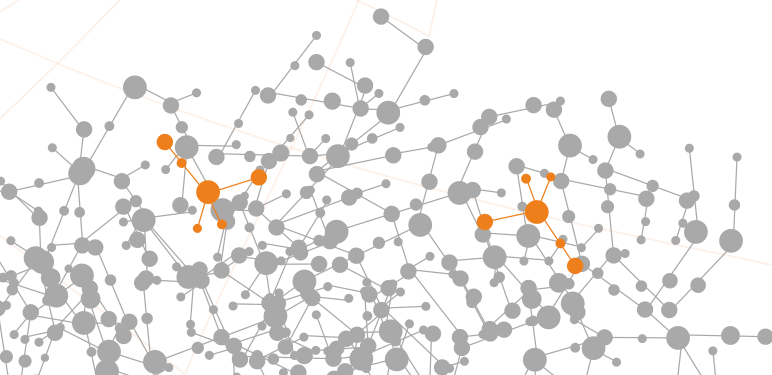
- labeling of exclusive alcohol
  - labeling of agricultural fertilizers
- labeling of explosives
- labeling of cosmetics
- labeling of pharmaceuticals
- labeling of industrial products

## Team

- Václav Ranc
- Radek Zbořil

## IP protection

- Czech patent application
- PCT application





## Sales representative

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product has been  
financially supported



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