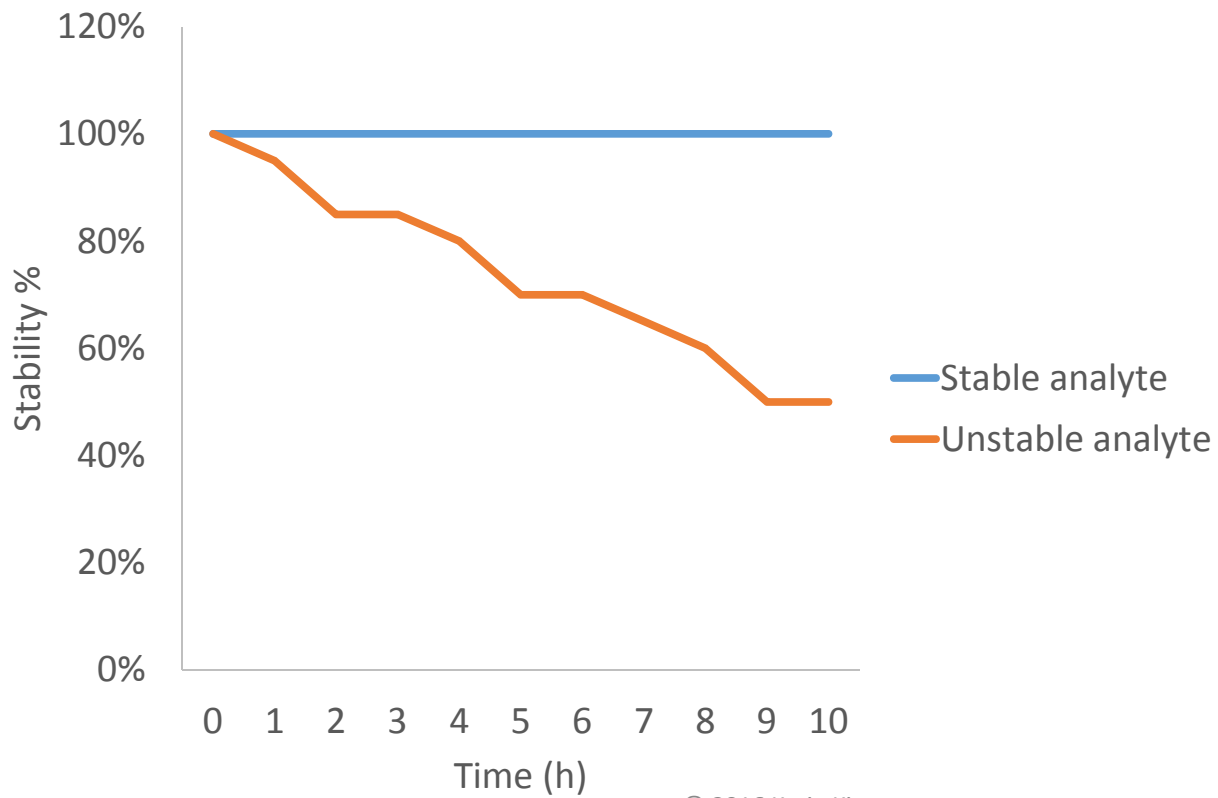# Stability introduction

Stability

Analyte stability must be ensured during **sample collection, processing, storage, extraction and duration of the analysis** to generate reliable (bio)analytical data

Stability

Decomposition of analyte during the period of time

Stability

- Instability
  - Lowering the analyte content in the sample
  - Influences trueness and precision

- The rate depends on the experimental details (matrix, temperature, light etc)

- Not only the samples, but also the standards can degrade

- Stability **can not** be proven by literature data and experiments have to be carried out in the laboratory