

## TAM Assistant Analysis Report

### Kinetics

#### Model

Autocatalytic

$$d[C]/dt = k([A]_o - (a/c)([C] - [C]_o)) [C]$$

#### Model Input Parameters

a/c:

1

#### Signal

##### Input

Results file path:

*C:\Users\S\Documents\Diazo\Ampoule (4-29-16) NO2  
Ph-N2-OTs V3 PK2.rslt*

Measurement signal:

Data series.Signal

Mass:

10mg

[A]<sub>o</sub>:

3.1123mmol/g

##### Results

P<sub>o</sub>:

12.53μW

k:

0.08751 g\*s<sup>-1</sup>\*mol<sup>-1</sup> ± 5.1e-4 g\*s<sup>-1</sup>\*mol<sup>-1</sup>

dH:

242.0 kJ/mol ± 770 J/mol

Co:

1.90e-5 ± 5.8e-7

Standard deviation:

18.238μW

NDF:

5348

— Measured — Calculated

