

# 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 (1-12-16)  
CH3O-Ph-N2-Tf-85.rslt*

Measurement signal:

Data series.Signal

Mass:

10mg

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

3.5185mmol/g

#### Results

P<sub>o</sub>:

11.379μW

k:

0.0128 g\*s<sup>-1</sup>\*mol<sup>-1</sup> ± 1.7e-4 g\*s<sup>-1</sup>\*mol<sup>-1</sup>

dH:

105.8 kJ/mol ± 750 J/mol

Co:

2.39e-4 ± 6.8e-6

Standard deviation:

5.6887μW

NDF:

5939

— Measured — Calculated

