

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 (5-17-16) NO2
Ph-N2-OTs V3 PK2.rslt*

Measurement signal:

Data series.Signal

Mass:

10mg

[A]_o:

3.1123mmol/g

Results

P_o:

8.2483μW

k:

0.08475 g*s⁻¹*mol⁻¹ ± 2.8e-4 g*s⁻¹*mol⁻¹

dH:

238.3 kJ/mol ± 590 J/mol

Co:

1.31e-5 ± 2.4e-7

Standard deviation:

17.671μW

NDF:

5532

— Measured — Calculated

