

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 (3-22-16) NO2
Ph-N2-OTs V.rslt*

Measurement signal:

Data series.Signal

Mass:

10mg

[A]_o:

3.1123mmol/g

Results

P_o:

11.673μW

k:

76.98mg*s⁻¹*mol⁻¹ [Error could not be calculated]

dH:

225.75 kJ/mol ± 160 J/mol

Co:

2.1582e-5 [Error could not be calculated]

Standard deviation:

16.185μW

NDF:

5287

— Measured — Calculated

