

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 (4-12-16) NO2 Ph-N2-OTs V2 PK1.rslt*
Measurement signal: Data series.Signal
Mass: 10mg
[A]_o: 3.1123mmol/g

Results

P_o: 12.822μW
k: 0.08781 g*s⁻¹*mol⁻¹ ± 2.7e-4 g*s⁻¹*mol⁻¹
dH: 261.4 kJ/mol ± 600 J/mol
C_o: 1.79e-5 ± 2.9e-7
Standard deviation: 21.964μW
NDF: 4767

— Measured — Calculated

