

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 (2-12-16) NO2
Ph-N2-Ts-80.rslt
Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.1123mmol/g

Results

Po: 2.7446μW
k: 0.05385 g*s⁻¹*mol⁻¹ ± 2.4e-4 g*s⁻¹*mol⁻¹
dH: 232.4 kJ/mol ± 750 J/mol
Co: 7.05e-6 ± 2.0e-7
Standard deviation: 24.648μW
NDF: 4659

Measured Calculated

