

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 (4-7-16) NO2
Ph-N2-OTs V1.rslt
Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.1123mmol/g

Results

Po: 31.682μW
k: 0.09176 g*s⁻¹*mol⁻¹ ± 2.6e-4 g*s⁻¹*mol⁻¹
dH: 234.6 kJ/mol ± 470 J/mol
Co: 4.73e-5 ± 5.8e-7
Standard deviation: 15.404μW
NDF: 5175

Measured Calculated

