

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 (5-19-16) NO2
Ph-N2-OTs V3 PK2.rslt
Measurement signal: Data series.Signal
Mass: 10mg
[A]o: 3.1123mmol/g

Results

Po: 7.8193μW
k: 0.08139 g*s⁻¹*mol⁻¹ ± 1.7e-4 g*s⁻¹*mol⁻¹
dH: 225.5 kJ/mol ± 540 J/mol
Co: 1.37e-5 ± 1.5e-7
Standard deviation: 17.294μW
NDF: 5261

Measured Calculated

