

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 (2-9-16) NO2 Ph-N2-Tf-85.rslt*
Measurement signal: Data series.Signal
Mass: 10mg
[A]_o: 3.3424mmol/g

Results

P_o: 7.9523μW
k: 116.81mg*s⁻¹*mol⁻¹ [Error could not be calculated]
dH: 249.84kJ/mol [Error could not be calculated]
C_o: 8.1523e-6 [Error could not be calculated]
Standard deviation: 29.975μW
NDF: 4913

— Measured — Calculated

