

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 (5-29-16) NO2  
Ph-N2-OTs V3 PK2 Ar.rslt  
Measurement signal: Data series.Signal  
Mass: 10mg  
[A]o: 3.1123mmol/g

**Results**

Po: 51.262μW  
k: 0.0649 g\*s<sup>-1</sup>\*mol<sup>-1</sup> ± 8.8e-4 g\*s<sup>-1</sup>\*mol<sup>-1</sup>  
dH: 323.2 kJ/mol ± 2.4 kJ/mol  
Co: 7.86e-5 ± 3.7e-6  
Standard deviation: 61.557μW  
NDF: 5341

Measured Calculated

