

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: *S:\TAM-work\Diazo\Article-Diazo-Calorim-TAMIII\2 NO2C6H4N2+ TfO- 80 Nitrogen 8-22-16.rslt*  
Measurement signal: Data series.Signal  
Mass: 10mg  
[A]o: 3.3424mmol/g

**Results**

Po: 8.8146μW  
k:  $5.504e-4 \text{ g}\cdot\text{s}^{-1}\cdot\text{mol}^{-1} \pm 5.5e-6 \text{ g}\cdot\text{s}^{-1}\cdot\text{mol}^{-1}$   
dH: 406.4 kJ/mol ± 1.3 kJ/mol  
Co: 0.00118 ± 1.5e-5  
Standard deviation: 1.4279μW  
NDF: 5870

Measured      Calculated

