

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\4 NO2C6H4N2+ TfO- 85 Nitrogen 8-15-16.rslt*  
Measurement signal: Data series.Signal  
Mass: 10mg  
[A]o: 3.3424mmol/g

**Results**

Po: 4.8386μW  
k: 0.1599 g\*s<sup>-1</sup>\*mol<sup>-1</sup> ± 6.3e-4 g\*s<sup>-1</sup>\*mol<sup>-1</sup>  
dH: 228.3 kJ/mol ± 680 J/mol  
Co: 3.97e-6 ± 1.0e-7  
Standard deviation: 37.443μW  
NDF: 2931

Measured      Calculated

