

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- 80 Nitrogen 2-13-16.rslt*  
Measurement signal: Data series.Signal  
Mass: 10mg  
[A]o: 3.3424mmol/g

**Results**

Po: 1.3106μW  
k: 0.06300 g\*s<sup>-1</sup>\*mol<sup>-1</sup> ± 2.0e-4 g\*s<sup>-1</sup>\*mol<sup>-1</sup>  
dH: 235.1 kJ/mol ± 550 J/mol  
Co: 2.65e-6 ± 6.2e-8  
Standard deviation: 15.324μW  
NDF: 4967

Measured      Calculated

