UIC Optical Rotation Sample Submission Form and Analysis Report

Rudolph Autopol III Polarimeter error ± 0.2 mrad wavelength used: 589 nm

Compound #: _____.

Structure:

Submitted by: _____. Email:_____.
(please print) (please print)

Company: _____. Phone#:_____.

Grant/PO #:_____. Fax #:_____.

Cell size? (**check one**): long cell (10cm & 25mls) _____.
short cell (1cm & 5mls) _____.

Concentration? (grams/mls) _____.

Solvent? _____.

Sample Handling: answer **yes** or **no**.

Is the sample stable?_____.
Is it air sensitive? _____.
Is it moisture sensitive? _____.
Is it volatile? _____.
Is it carcinogenic? _____.
Is it toxic? _____.
Anything else we should know?

BLANK (3 readings): 1._____ 2. _____ 3. _____ **MEAN**:_____.

SAMPLE (3 readings): 1._____ 2. _____ 3. _____ **MEAN**:_____.

Formula: (average sample reading) – (blank reading)
_____ = # mrad **mrad**:_____.
cell length (dm) x sample concentration (g/mls)

Analysis by: _____. Date: _____.