

Rudolph Research Analytical

May 30, 2017
13:34:15

This sample was measured on an Autopol IV, serial number 81019,
manufactured by Rudolph Research Analytical, Hackettstown, NJ, USA.

Set Temp : 20.0
Temp Corr: Quartz

No	SampleID	OpRot	Measurement		WLg	Temp
1	QUARTZ	11.497	11.497	OR	589	20.0
2	QUARTZ	11.497	11.497	OR	589	20.0
3	QUARTZ	11.497	11.497	OR	589	20.0
4	QUARTZ	11.497	11.497	OR	589	20.0
5	QUARTZ	11.497	11.497	OR	589	20.0

Counts : 5
Average : 11.497 ← Optical rotation measured
Std.Dev.: 0.0000
Maximum : 11.497
Minimum : 11.497

Optical rotation of quartz plate

Spec 11.506 20°C
589.3nm
(EP)



30/5/2017

ST-4580

Rudolph Research Analytical

May 26, 2017
12:49:22


This sample was measured on an Autopol IV, serial number 81019,
manufactured by Rudolph Research Analytical, Hackettstown, NJ, USA.

Set Temp : Off
Temp Corr: Off

No	OpRot	Measurement		WLg	CellLg	Conc	Temp	Time
1	-1.380	-133.33	SR	589	100.00	1.035	24.6	12:49:22
2	-1.380	-133.33	SR	589	100.00	1.035	24.6	12:49:24
3	-1.380	-133.33	SR	589	100.00	1.035	24.6	12:49:26
4	-1.380	-133.33	SR	589	100.00	1.035	24.6	12:49:28
5	-1.380	-133.33	SR	589	100.00	1.035	24.6	12:49:30

Specific optical rotation of cannabidiol @ 24.6°C

Spec 130 < CBD < 135 589 nm
25°C
EtOH

 26/5/2017

ST-4550