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## JASCO CERTIFIED OPTICAL ROTATION PLATE N°J423/2023

JASCO Rotation Plate are certified on a Jasco P-2000 Series Polarimeter, utilizing Na d-line emission with a 589 nm bandpass filter, which has been calibrated with NIST certified sucrose (SRM-17g), which is the NIST primary standard for Optical Rotation.

For all Rotation Plates, the accuracy is  $\pm$  5 %, for temperatures between 20°C and 26°C.

Rotation Plates should be measured whit 8mm Aperture and with the index at top and pointed toward the light source (to the left), or otherwise as indicated on the plate.

The expiration data is, as noted below, is 5 years from the date of validation.

TAG: PO-03 SERIAL NUMBER: 4250

ROTATION Angle: + 34.4521° SUGAR VALUE °Z: + 99.4969

Calibrated by:\_\_\_\_\_\_Roberto Cruz

Date Certified:\_\_\_\_\_\_September 14, 2023

Expiration Date:\_\_\_\_\_\_September 14, 2028

Roberto Cruz

Digitally signed by Roberto Cruz DN: cn=Roberto Cruz, o=Jasco, ou=Service,

email=rcruz@jasco.com.br, c=US Date: 2023.09.14 13:34:19 -03'00'