



APPLICATION NOTE – ICUMSA SUGAR ANALYSIS METHODS THAT USE POLARIMETERS

The International Commission for Uniform Methods of Sugar Analysis (ICUMSA), founded in 1897, publishes detailed laboratory procedures for the analysis of sugar. The following procedures require the use a polarimeter:

- GS1/2/3/9-1 (2011)** Determination of Polarization of Raw Sugar – Official Method.
- GS1/2/3-2 (2005)** Polarization of Raw Sugar without Wet Lead Clarification – Tentative Method.
- GS2-3-1 (2011)** The Braunschweig Method for the Polarization of White Sugar by Polarization – Official (Reference) Method.
- GS3-1 (2002)** The determination of the Polarization of the Sugar Component of Powdered Sugars Containing Ant-Caking Agents – Official Method.
- GS4/7-1 (1994)** The Determination of Apparent Sucrose in Molasses by Doable Polarization Method – Accepted Method.
- GS5/7-1 (2011)** Determination of Polarization, Brix, and Fibre in Cane and Bagasse by the Wet Disintegrator – Official Method.
- GS6-1 (1994)** Determination of Polarization of Sugar Beets by the Macerator of Cold Acqueous Digestion Method using Lead Acetate as Clarifying Agent – Official Method.
- GS6-3 (1994)** Determination of the Polarization of Sugar by the Macerator of Cold Acquesous Digestion Method using Aluminum Aulfate as Clarifying Agent – Official Method.
- GS7-7 (2011)** Determination of Polarization of Filter Cake – Accepted Method.
- GS7-31 (2011)** The Determination of Pol by NIR Polarimetry and Brix for Sugarcane and Factory Product – Tentative Method.
- SPS-1 (2002)** Specification and Standard SPS-1 (2002), Polarimetry and the International Sugar Scale – Official Method.

Reichert Polarimeters

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- Modular design to combine with refractometers and density meters

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