

**ACCREDITATION SCOPE****COGUANOR NTG ISO/IEC 17025:2005 STANDARD****“Expogranel, S.A.”**  
**Testing Laboratory****Contact:** Mr. Joel Willdamí Castillo Solís.**Address:** 4ª Calle y 1ª Avenida, Recinto Portuario, Puerto Quetzal, Escuintla, Guatemala**Phone:** (502) 6630-9400**Accreditation code:** **OGA-LE-003-04****Accredited since:** **2004-09-02****Re-evaluation date:** **2017-04-05****Valid until:** **2021-04-02**

<b>Test</b>	<b>Reference Method</b>	<b>Ítem</b>	<b>Unit</b>	<b>Range</b>
The Determination of the Polarisation of Raw Sugar without Wet Lead Clarification.	GS1/2/3-2 (2009) ICUMSA	Raw Sugar	° Z	96.00-99.80
The Braunschweig Method for the Polarisation of White Sugar by Polarimetry.	GS2/3-1 (2011) ICUMSA	Refined Sugar	° Z	99.80-100.00
The Determination of Sugar Moisture by Loss on Drying.	GS2/1/3/9-15 (2007) ICUMSA	Sugar	%	0.00-2.00
The Determination of Conductivity Ash in Raw Sugar, Brown Sugar, Juice, Syrup and Molasses.	GS1/3/4/7/8-13 (1994) ICUMSA	Raw Sugar, Brown Sugar, Juice, Syrup and Molasses	%	0.09-0.50
The Determination of Conductivity Ash in Refined Sugar Products and in Plantation White Sugar.	GS2/3/9-17 (2011) ICUMSA	White Sugar	%	0-0.08
The Determination	GS2/3/9-19 (2007)	White Sugar	mg/kg	0-2000

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Test	Reference Method	Ítem	Unit	Range
of Insoluble Matter in White Sugar by Membrane Filtration.	ICUMSA			
The Determination of Sulphite by the Rosaniline Colorimetric Method in White Sugar, in VVHP Raw Sugar, in Cane Sugar Juices and Syrups, in Plantation White Sugar..	GS2/1/7/9-33 (2011) ICUMSA	White Sugar, Raw Sugar, Juices, Syrups and Plantation White Sugar	mg/kg	0-100
The Determination of the Turbidity of White Sugar Solutions.	GS2/3-18 (2013) ICUMSA	Refined Sugar	IU	0-50
The Determination of Sugar Solution Colour at pH 7.0 by the MOPS Buffer Method.	GS9/1/2/3-8 (2011) ICUMSA	Refined Sugar	IU	0-16000

Up-dated: 2019-02-04**-END-****Further information:****Guatemalan Accreditation Office (OGA)**

National Quality System

Ministry of Economy

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