



PRODUCT SPECIFICATION DATA SHEET

Name of Product : Dina Life Antioxidant sugar

Description of Product: Mauritius special cane sugar enriched with antioxidant sugarcane extract.

Physical Specification:

Visual Appearance: Brown soft sugar, free from dirt, foreign and extraneous matter; and free from fermented, musty or undesirable odours.

Colour: Light Brown to Brown

Aroma and Taste: Typical cane sugar aroma with no- off odours and taste.

Instruction for use/Storage conditions: Store the package in a cool dry area and away from internal walls. This ensures good air circulation and prevents the sugar from absorbing moisture

Allergens: Dina Life Antioxidant sugar does not contain any substances or products causing allergies or intolerances as listed in Annex of EU Regulation no.1169/2011.

Packaging: Dina Life Antioxidant sugar are packed in PE and PP bags

Main Ingredients: Brown Cane Sugar, Antioxidant sugarcane extract and Glycerin

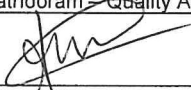
Chemical Specification

1. Standard Chemical Analysis

Parameter	Specifications	Method of Analysis
Loss on Drying Moisture %	5 max	ICUMSA 2007 Mtd GS2/1/3/9-15
Polyphenol Content (% Gallic acid equ.)	0.15 Min.	Folin-Ciocalteu Micro Method for Total Polyphenol Content

2. SO2

Parameter	Specifications	Method of Analysis
Sulphur Dioxide (ppm)	10 Max	ICUMSA 2011 Mtd GS 2/1/7-33

Prepared by: Avinash Nathooram - Quality Assurance Manager	Approved by: Lindsay Davy - General Manager - Refinery	
		
Doc ref: PSDS Dina Life Antioxidant sugar	Issue no: 1	Date: 19/07/2024

3. Chemical Analysis for Heavy Metals & Pesticide Residues

Parameter	Specifications	Method of Analysis
Heavy metals		
Lead (Pb)	< 0.1 ppm	HNO3/HCl/H2O2 digestion followed by Atomic absorption spectrometry
Arsenic (As)	< 1.0 ppm	
Copper (Cu)	< 2.0 ppm	
Cadmium (Cd)	< 0.05 ppm	
Mercury (Hg)	< 0.02 ppm	
Pesticides Residues	According to EU regulations on maximum residue limit*	

*MRL : Maximum residual limit

4. Microbiological Specification

I. Spoilage micro-organismes (CFU /10g)

Parameter	Maximum Limit	Method of Analysis
Total Plate count	< 5000 CFU /10g	ICUMSA GS2/3-43(1998)
Yeast	< 500 CFU /10g	ICUMSA GS2/3-47(1998)
Moulds	< 500 CFU /10g	ICUMSA GS2/3-47(1998)

II. Pathogenic micro-organisms (CFU)

Parameter	Maximum Limit	Method of Analysis*
<i>Coliforms</i>	Absent/10g	Compact Dry CF medium for the enumeration of coliforms. Method approved by the Association of Analytical Chemists (AOAC) International. General Referee Reports. Journal of AOAC International 2006.Volume89(1): 304-318
<i>Escherichia coli</i>	Absent/10g	Compact Dry EC medium for the enumeration of Escherichia coli. Method approved by the Association of Analytical Chemists (AOAC) International. General Referee Reports. Journal of AOAC International 2006.Volume89(1): 304-318
<i>Salmonella</i>	Absent/25g	Compendium of methods for the Microbiological examination of foods. 4th Edition 2001. Edited by FP Downes & K Ito. American Public Health Association. Modified to use ready made compact Dry SL medium.

Prepared by: Avinash Nathooram – Quality Assurance Manager

Approved by: Lindsay Davy – General Manager - Refinery

Doc ref: PSDS Dina Life Antioxidant sugar

Issue no

1

Date:

19/07/2024

This document must not be reproduced without proper authorisation from Management.

Page 2 of 2