



# THALINDUSTRIES

C O R P O R A T I O N

(Quality Control Department)

**Certificate of Compliance/Certificate of Analysis (Refined Cane Sugar).**

Shipped to	UNILEVER PAKISTAN (P-1 Sugar)	
Lot/ Batch #	05/02	(Bags 960)
Date Delivery	18/02/2022	
Analysis Date	18/02/2022	
Bilty. No.	5680	TMJ-808

This is certified that the sugar contained in this shipment meets **Unilever** standards and specifications. Sugar has been analyzed and Test Results are as under:-

Description	Specification Limit.	Test Result
Taste, Odor, Appearance	No objectionable taste, odor, visible sediments, foreign particles or materials	Confirmed
Color	45ICUMSA Units Max	35.362
Conductivity Ash%	0.02 (% w/w) Max	0.012
Moisture %	0.04 (% w/w) Max	0.027
SO <sub>2</sub>	10 mg / Kg Max	< 0.24
Lead	0.15mg / Kg Max	< 0.04
Yeast	< 10 CFu / 10g	< 01
Mold	< 10 Cfu / 10g	< 01
Foreign Matter	10 ppm Max	7.33
Metal Detection	1.5 mm Limit	Free
Polarization	99.9% Min	99.9

Production Year: 2021-22

Expiry : Minimum 02 Years/ Maximum 03 Years

**Deputy Manager (Q.A)**  
Layyah Sugar Mills Layyah.



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## Certificate of Analysis

Description of goods	40 Mesh Sugar	Destination for	M/s Unilever
Production Date:	10-02-2022	Delivery Date:	18-02-2022
Expiry Year	2024	Qty. of. Bags	20
Lot Code	04/06	Specification No.	-
Bilty No.	5695	Vehicle No	TMJ-808

This is certified that the sugar contained in this shipment meets **Unilever standards** and specifications. Sugar has been analyzed and Test Results are as under:-

Test	Unilever Standards	Results	Test Method
Color	45 ICUMSA 65 Units Max	38.841	190.004 or ICUMSA GS2/3-1(1994)
Conductivity Ash%	0.04 (% w/w) Max	0.012	139.001 or ICUMSA GS2/3-10(1998)
Moisture %	0.06 (% w/w) Max	0.026	130.006 or ICUMSA GS2/1/3-15 (1994)
Reducing Sugar	0.040 %	0.019	Titration ICUMSA GS2/3/9-5
Foreign Matter	50 ppm Max	8.00	190.006 or ICUMSA GS2/33 (1994)
Polarization.	99.7 % Min	99.9	190.004 or ICUMSA GS2/3-19 (1994)
SO2 ppm	< 15	03	161.006 or Icumsa GS2/33 1994
Taste and flavor	Clean and sweet	OK	168.003





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Appearance and Color	White crystal and free flow	OK	190.004 or ICUMSA GS2/3-10 (1998)
Yeast	< 10 CFu / 10g	01	720.75
Mold	< 10 Cfu / 10g	Nil	720.75
Shelf life	1) 24Months 2) *	24	—
Foreign Material	Max 5 black point in/100 gram	Nil	Dilute sample in water, filter and count black spots.
Metal detection	1.5mm Min.	Nil	Passed by Metal Detector

We certify that goods are tested as per actual lot in LSM laboratory and fit for human consumption.

**Note:** 2) \* Shelf life of product is based on controlled storage conditions w.r.t temperature, humidity level and house keeping of ware house. In case of high humidity level there is risk on product shelf life.

**Dy. Manager Q.A**  
Layyah Sugar Mills Layyah.