

CERTIFICATE OF ANALYSIS (COA)

Product Name	Dates Powder Brown	Batch Number	NA
PO Reference No	NA	Quantity Supplied	NA
Manufacturing Date	2026-06-02	Expiry Date	2028-06-02
Release Date	2026-06-08		

Ingredients	100% Dates Powder Brown, No additives or Preservatives
Storage	18-25°C store in a cool dry place, away from direct sunlight
Allergens	The material is Gluten Free; No products containing gluten are handled, processed, or stored facility.

1. Chemical & Nutritional Analysis

1A. PHYSICAL & CHEMICAL SPECIFICATIONS

PARAMETER NAME	UNIT	OBSERVED VALUE	TEST METHOD REF
Moisture	%	4.79	LOD
Bulk Density	g/ml	626.35	
Sucrose	g/100g	53.92	By HPLC
Glucose	g/100g	7.76	By HPLC
Fructose	g/100g	6.01	By HPLC
Maltose	g/100g	1.06	By HPLC
Lactose	g/100g	<0.1	By HPLC
Total Ash	g/100g	1.64	SOP-CHM-111-00
Water Activity	aw	0.30	By Water Activity Meter
Acid Insoluble Ash	g/100g	<0.01	SOP-CHM-111-00
Foreign Matter	g/100g	<0.1	SOP-CHM-95-00
Bulk Density (tapped)	g/L	735.37	By Gravimetric Method
Description	-	Light brown powder	SOP-CHM-31-01
Sieve Analysis (60 Mesh)	%	87.66	By Seive

1C. NUTRITIONAL PROFILE (PER 100G)

PARAMETER NAME	UNIT	OBSERVED VALUE	TEST METHOD REF
Energy	kJ/100g	379.78	Calculated
Total Fat	g/100g	1.10	SOP-CHM-100-01
Total Sugar	g/100g	69.12	SOP-CHM-123-00
Carbohydrate	g/100g	89.53	SOP-CHM-28-00
Protein	g/100g	2.94	SOP-CHM-137-00
Saturated Fat	g/100g	0.562	AOAC 996.06
Dietary Fiber	g/100g	6.22	AOAC 985.29



PARAMETER NAME	UNIT	OBSERVED VALUE	TEST METHOD REF
Trans Fat	g/100g	<0.10	AOAC 996.06

2. MICROBIOLOGICAL ANALYSIS

PARAMETER NAME	UNIT	OBSERVED VALUE	FSSAI STANDARDS THRESHOLD
Total Plate Count	CFU/g	NMT 1×10^5	Standard Plate Count
E. coli	/g	Absent	Culture
Salmonella	/25g	Absent	Culture
Enterobacteriaceae	cfu/g	NMT 1×10^3	ISO 21528 (Part 2): 2017
Listeria monocytogenes	/25g	Absent	IS 14988 (Part 1)
Yeast	cfu/g	NMT 1×10^4	IS 5403
Mold	cfu/g	NMT 1×10^4	IS 5403
Staphylococcus aureus	/25g	Absent	IS 5887 (Part 2)
Vibrio cholerae	/25g	Absent	IS 5887 (Part 5)

3. CONTAMINANTS, RESIDUES & HEAVY METALS

PARAMETER NAME	UNIT	OBSERVED VALUE	MAX LIMIT PERMITTED
Lead	ppm	NMT 2.5	ICP-MS
Aflatoxin B1	$\mu\text{g}/\text{kg}$	NMT 15	SOP-CHM-36-02
Aflatoxin B2	$\mu\text{g}/\text{kg}$	<0.5	SOP-CHM-36-02
Aflatoxin G1	$\mu\text{g}/\text{kg}$	<0.5	SOP-CHM-36-02
Aflatoxin G2	$\mu\text{g}/\text{kg}$	<0.5	SOP-CHM-36-02
Melamine	mg/kg	NMT 2.5	SOP-CHM-151-00
Arsenic	mg/kg	NMT 1.1	SOP-CHM-27-02
Cadmium	mg/kg	NMT 1.5	SOP-CHM-27-02
Mercury	mg/kg	NMT 1.0	SOP-CHM-27-02
Copper	mg/kg	NMT 30.0	SOP-CHM-27-02
Tin	mg/kg	NMT 250	SOP-CHM-27-02