



# Certificate of Accreditation

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This is to certify that

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## ALFA LABORATORIES LIMITED

JOAS House (adjacent to T- Time Petrol station), 11b, Amuwo-Odofin Estate,  
Apapa-Oshodi Expressway, Lagos, Nigeria

Has been assessed by the Nigeria National Accreditation System and meets the requirements of the International Standard

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## ISO/IEC 17025:2017

with demonstrated technical competence in the field of

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## Testing

for the specific services listed on the approved Scope of Accreditation.

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On behalf of the Nigeria National Accreditation System:



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Issue date: **July 28, 2020**  
Validity through: **July 27, 2022**

**Scope of Accreditation**

**Chemical Testing Laboratory  
ALFA LABORATORIES LIMITED**

JOAS House (adjacent to T- Time Petrol station), 11b, Amuwo-Odofin Estate,  
Apapa-Oshodi Expressway, Lagos, Nigeria

**Schedule NO.: T0020**

**Issue No. 1: 28 07, 2020**

**Valid to : 27 07, 2022**

<b>Materials/ Products Tested</b>	<b>Types of Tests/ Properties Measured / Range of Measurements</b>	<b>Standard Specifications / Techniques Used</b>	
Moisture in food (Flour)	Moisture	14% (max.)	AOAC Official Method 925.10.
Ash in food (flour)	Ash content	0.70%(max.)	AOAC Official Method 923.03 (Direct method)
Protein in food (Flour)	Protein	10.5% (min.)	AOAC Official Method 920.87.
Fat in food (Flour)	Fat	1.5% (max.)	AOAC Official Method 922.06
Carbohydrate in food (Flour)	Carbohydrate	None	No direct test method, just calculations/extrapolations. (AOAC 986.25 (E))
pH in food (Flour)	pH	6.0 -6.8	AOAC Official Method 943.02
pH water	pH	6.5-8.5	AOAC Official Method 973.41
Chloride in Water	Chloride	100Mg/L (Max)	Titrimetric Method (C. M. A. Ademoroti December, 1996, Standard methods for water and waste water analysis 2000 4500- C)
Energy	Energy	<b>By Calculation ( Chemical Analysis of Foods by David Pearson 7<sup>th</sup> Edition) KJ/100mg (900-1000 Max)</b>	
Total Solids (water)	Total solids	NP	AOAC Official Method 920.193 A
Conductivity (water)	Conductivity	1000Us/cm	AOAC Official Method. 973.40).
Total hardness (water)	Total hardness	100mg/L (Max)	AOAC Official Method 973.52
Total Aflatoxins in food analysis	Total aflatoxin	4.0 ppb (Max)	Agilent - AOAC 2007
Vitamin B1 (for all water-soluble vitamins) in Food	Vitamin B1 (Thiamine)	4.0mg/Kg (minimum)	Adapted from Journal of Chemistry. Volume 2014 Article ID831357 and AOAC 2004.07
	Vitamin B2 (Riboflavin)	1.7mg/Kg (minimum)	Adapted from Journal of Chemistry. Volume 2014 Article ID831357 and AOAC 2004.07

	Vitamin B3 (Nicotinamide)	45.0 mg/Kg	Adapted from Journal of Chemistry. Volume 2014 Article ID831357 and AOAC 2004.07
Ascorbic Acid in Cereal Flour	Vitamin C (Ascorbic Acid)	300mg/kg	Adapted from Journal of Chemistry. Volume 2014 Article ID831357 and AOAC 2004.07
Total Coliform Count in Water	<b>Total Coliform Count</b>	< 1 cfu/ml	<b>ISO 4832:2006 E</b>
Yeast and Mould in Water	<b>Yeast and Mould</b>	<1 cfu/ml	<b>ISO 21527-1: 2008</b>
E.Coli in Water	<b>Ecoli</b>	<1 cfu/ml	<b>ISO 16649-3:2005</b>
Total Plate Count in Water	<b>Total Plate Count</b>	<1 cfu/ml	<b>ISO 4833</b>