

CERTIFICATE OF ANALYSIS

(Institute of Public Analysts of Nigeria, IPAN Act CAP I.16 LFN 2004, formerly Decree 100 of 1992)

Lab. Sample Ref No: KFC/02/06/2025/1748/158/98/59259

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Name of Client: DEVYANI INTERNATIONAL (NIGERIA) LTD

Certificate No: 0059259

Address: 110/114, OSHODI-APAPA EXPRESSWAY, ISOLO, LAGOS STATE

Laboratory Environmental Conditions: Humidity, %: 61 Temperature, oC: 24 COA Version:2 (Ammendment), Date: 14/07/2025

Sample Name/Label: ICE BERG LETTUCE - VIVERDA FARM (FOR PCA & MA TESTING INCLUDING PESTICIDES RESIDUE TESTING)

Sample Type : GREEN/FRESH VEGETABLES

Date Received in Lab: 02/06/2025

Batch No: Not stated

Date Analysed in Lab: 3 June to 14 July 2025

Net Content:

Country of Origin: Nigeria

I, **BENJAMIN A. MIACHI**, the undersigned Registered PUBLIC ANALYST No: 00329, REMABEN SCIENTIFIC SERVICES LTD, ISO/IEC 17025:2017, a NiNAS-accredited testing laboratory-No: T0013 and IPAN Registered Lab. No: 0008, do hereby certify that on 02/06/2025 the above mentioned sample was submitted to our Laboratory by you (the Customer) for testing. The sample was tested while in the same condition as received in the Lab and our test results are:

PHYSICAL AND CHEMICAL ANALYSIS:

Tests performed/Unit	Result	Uc	Limit	Test Method
GENERAL APPEARANCE	Round leafy green vegetable			Visual
MOISTURE@105 oC (Oven dry, 3Hrs), %	96.0		Not Stated	AOAC 925.10
TOTAL ASH (minerals), %	0.51		N.S	AOAC 920.48
SODIUM CHLORIDE (Salt), %	0.00		N.S	AOAC 937.09
pH (10% Solution), @25 oC	6.4		N.S	AOAC 940.23
PROTEIN (TKN x 6.25), %	1.2		N.S	AOAC 920.87
TOTAL FAT, %	0.27		N.S	AOAC 922.06
TOTAL CARBOHYDRATE, %	2.02		N.S	Calculated
LEAD (as Pb), mg/kg	0.001		N.S	AOAC 999.11
ARSENIC (as As), mg/kg	0.001		N.S	AOAC 999.11
CADMIUM (as Cd), mg/kg	0.001		N.S	AOAC 999.11
SODIUM (as Na), mg/100g	0.00		N.S	AOAC 966.16
IRON (as Fe), mg/100g	0.13		N.S	AOAC 944.02
CALCIUM (as Ca), mg/100g	61.8		N.S	AOAC 991.25
MAGNESIUM (as Mg), mg/100g	37.5		N.S	AOAC 991.25
PHOSPHORUS as P2O5, mg/100g	22.1		N.S	AOAC 970.39
ENERGY VALUE, Kcal/100g	15.2		N.S	Calculated
SULPHUR DIOXIDE (as SO2), mg/kg	0.00		N.S	AOAC 940.20
TOTAL ACIDITY (as Citric acid), %	0.07		N.S	AOAC 942.15
TOTAL SUGAR (as Invert), %	0.96		N.S	AOAC 925.35
REDUCING SUGARS, %	0.00		N.S	AOAC 925.35
STARCH (by diff.), %	0.00		N.S	Calculated
TOTAL PESTICIDES (GC-PFPD method), ug/kg	0.00785904		Not Stated	GC-PFPD
ORGANOPHOSPHATE PESTICIDES:				GC-PFPD
MALATHION, mg/kg	0.000095499		1max	"
DELTA METHRIN, mg/kg	0.000033004		0.5max	"
CHLORPYRIFOS, mg/kg	0.000117094		1max	"
PHOSPHINE, mg/kg	0.000433976		0.1max	"
CARBOFURAN, mg/kg	0.000092377		0.05max	"
DICHLORVOS, mg/kg	0.000529781		1max	"
FENITROTHION, mg/kg	0.00019341		0.5max	"
PENTACHLOROPHENOL, mg/kg	0.000111443		0.01max	"
PIRIMIPHOS-METHLY, mg/kg	0.000183404		4max	"
PERMETHRIN, mg/kg	0.00009117		0.05max	"
OXAMYL, mg/kg	0.000628394		0.05max	"
BROMOXYNIL, mg/kg	0.000046048		0.01max	"
ENDOSULFAN, mg/kg	0.0000971		0.5max	"
BROMOETHANE, mg/kg	0.000416501		0.01max	"
SIMAZINE, mg/kg	0.000439417		0.01max	"
ISOPROTURON, mg/kg	0.00036533		0.01max	"
MECOPROP, mg/kg	0.000136871		0.01max	"
ORGANOCHLORINE PESTICIDES:				GC-PFPD
ALACHLOR, mg/kg	0.000049494		0.01max	"
2,4,6-TRICHLOROPHENOL, mg/kg	0.000352592		0.01max	"
METOLACHLOR, mg/kg	0.000309538		0.01max	"
METHOXYCHLOR, mg/kg	0.000226474		0.01max	"
ALDRIN, mg/kg	0.000032518		0.01max	"
DIELDRIN, mg/kg	0.000171151		0.01max	"

MICROBIAL EXAMINATION:

Microbial Group	Result	Unit	Limit	Test Method
E.Coli	0	CFU/g	50max.	AOAC 966.24
Total Coliforms	40	CFU/g	100max.	AOAC 966.24
Faecal Streptococci	0	CFU/g	0	AOAC 966.24
Staphylococcus aureus	0	CFU/g	0	AOAC 975.55
Salmonella	Absent	in 25g	0	AOAC 967.27
Shigella	Absent	in 25g	0	AOAC 967.27
Vibrio	0	CFU/g	0	AOAC 988.20
Yeast/Moulds	30	CFU/g	100max.	AOAC 940.37E
Total Plate count	120	CFU/g	10,000max	AOAC 966.23C

Abbreviations: Accredited = NiNAS Accredited Scope; N.S = Not Stated
APHA = American Public Health Association (22nd Edition)
AOAC = Association of Official Analytical Chemists (AOAC Int'l)
ASTM = American Society for Testing and Materials
UC = Uncertainty of Measurement (K=2)

Note: NiNAS is a full Member of AFRAC and an Associate Member of ILAC.
AFRAC is African Accreditation Cooperation
ILAC is International Laboratory Accreditation Cooperation

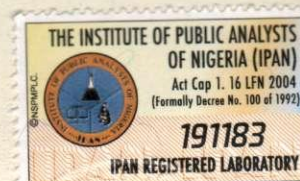
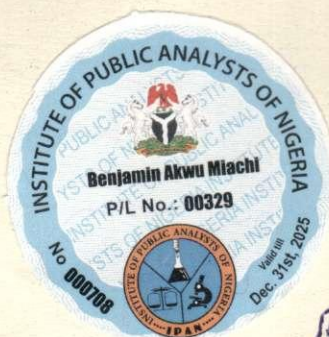
COMMENTS/DISCLAIMER/REMARKS

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- From the microbial examination, absence of pathogenic microorganisms and low total plate count suggest satisfactory microbial quality for a fresh/green vegetable.
- The result of Pesticides residue analysis is in conformity with CODEX Alimentarius Maximum Residue Limits (MRLs) in foods & feeds.

Lab Analyst: *Adeniyi B.A*
Sign/date: *Adeniyi B.A*
As witness my hand and issued on this: 14 July, 2025

Authorized/Approved by: Laboratory Director.
Name: MIACHI, Benjamin Akwu (FIPAN)



FENVALERATE, mg/kg	0.000149284	0.01max.	"
FENOPROP, mg/kg	0.0002244	0.01max.	"
ARTRAZINE, mg/kg	0.000107207	0.01max.	"
CYANAZINE, mg/kg	0.000124579	0.01max.	"
PHOSPHAMIDON, mg/kg	0.00003339	0.01max.	"
CHOLOTOLURON, mg/kg	0.000342226	0.05max.	"
ELDRIN, mg/kg	0.000171151	0.01max.	"
DICHLOROPROP, mg/kg	0.000073243	0.5max.	"
PENDIMETHALIN, mg/kg	0.000032359	0.01max.	"
CYPERMETHRIN, mg/kg	0.000063123	0.01max.	"
PYRIPROXYFEN, mg/kg	0.000370279	0.01max.	"
CABARYL, mg/kg	0.000054875	0.01max.	"
IMIDACLOPRID, mg/kg	0.000053353	0.01max.	"
TRIAZOPHOS, mg/kg	0.000048789	0.01max.	"
METHIDATHION, mg/kg	0.000053353	0.01max.	"
ACETOCHLOR, mg/kg	0.000043236	0.01max.	"
CYFLUTHRIN, mg/kg	0.000060961	0.01max.	"
DDT, mg/kg	0.0000602	0.01max.	"
PROFENOFOS, mg/kg	0.000077321	0.01max.	"
LOXYNIL, mg/kg	0.000088029	0.05max.	"
TRIFLURARIN, mg/kg	0.000058679	0.01max.	"
2,4-D, mg/kg	0.000416416	0.01max.	"

End of Report

[Handwritten signature]



Lab Analyst: *[Signature]*
Sign/date: *[Signature]*
As witness my hand and issued on this: 14 July, 2025
Authorized/Approved by: Laboratory Director.
Name: MIACHI, Benjamin Akwu (FIPAN)