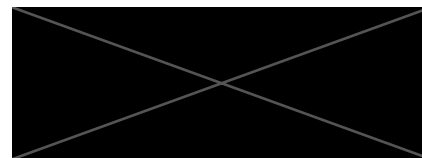


FINAL CERTIFICATE OF ANALYSIS

COA N° :	2411123, 2411124, 2411125, 2411126, 2411128, 2411129
Supersedes CoA #:	2325545-0
COA date :	29/11/2024
Page	1/2
Customer :	
Order N° :	BP90082 & BP00125
Project N° :	
Analyzed by: Swift Silliker (Pty) Ltd t/a Mérieux NutriSciences (except where →)	
Stellenryk Building, Constantia Square Office Park, 526 16th Street	
Midrand, 1685	
Tel : +27118054310	
E-mail : za.customer@mxns.com	
Received from	



To :



SAMPLE DESCRIPTION

CHEMISTRY SAMPLE No : 8104965

Commercial name : BLUEPRINT WHITE COCOA BUTTER MACADAMIA CRUNCH BAR V4B 18 NOVEMBER 2024

Arrival Date: 29/11/2024 08:48
Sample Condition: good, without objections

Arrival Temperature [°C]: 24.1

ANALYTICAL RESULTS

CHEMISTRY RESULTS

Tests			Results [±Uncertainty]	Units	Limits [Target value]	LOQ
✓	Arsenic SWM.CHEM.048	➡ 29/11/2024	0.033	mg/kg	-	0.005
✓	Cadmium SWM.CHEM.048	➡ 29/11/2024	0.017	mg/kg	-	0.005
✓	Mercury SWM.CHEM.048	➡ 29/11/2024	< 0.005	mg/kg	-	0.005
✓	Lead SWM.CHEM.048	➡ 29/11/2024	0.013	mg/kg	-	0.005

BP Lot Numbers:
White Cocoa
2411123 (12-03-2025)
2411124 (12-14-2025)
2411125 (12-16-2025)
2411126 (11-26-2025)
2411128 (11-26-2025)
2411129 (11-26-2025)

FINAL CERTIFICATE OF ANALYSIS

COA N° :	2325774-0
Supersedes CoA #:	2325545-0
COA date :	29/11/2024
Page	2/2



<input checked="" type="checkbox"/> Accredited	<input type="radio"/> Confirmed	<input type="radio"/> Retested	LOD Limit of Detection	NC Non compliant
<input checked="" type="checkbox"/> Subcontracted	<input type="radio"/> Date started	N/A Not Applicable	LOQ Limit of Quantitation	
est. Estimated	<input type="radio"/> Date completed	ND Not Detected	C Compliant	MRL Maximum Residue Limit

The information reported in *italic* are provided by the customer.

Tests marked with a * in this report are not included in the SANAS Schedule of Accreditation for this laboratory (Testing Laboratory Number as per SANAS Logo).

Tests marked with a plane in this report are Subcontracted Tests and are not included in the SANAS Schedule of Accreditation for this laboratory (Testing Laboratory Number as per SANAS Logo).

Tests marked with a plane and check in this report are Accredited Subcontracted Tests and are not included in the SANAS Schedule of Accreditation for this laboratory (Testing Laboratory Number as per SANAS Logo).

The test report relates only to specific item submitted for testing. It furnishes or implies no guarantee whatsoever, in respect of a similar item that has not been tested.

Opinions and interpretations expressed in this report, are not included in the SANAS Schedule of Accreditation for this laboratory (Testing Laboratory Number as per SANAS Logo).

The test report shall not be reproduced except in full without written approval of Swift Silliker (Pty) Ltd T/A Mérieux NutriSciences.

For where the Test result is <10, it means that no colonies/microbial growth ("No Growth") was observed at the lowest/first dilution (1 in 10 dilution) of the sample.

Similarly, <1 cfu/ml means that no colonies/microbial growth ("No Growth") was observed for where the liquid sample was not diluted (direct inoculation).

Tests marked with only a tick in this report are included in the SANAS Schedule of Accreditation for this laboratory (Testing Laboratory Number as per SANAS Logo).

Results validated on 29/11/2024

by Rachel Jakarasi
Technical Signatory (Chemistry)

FINAL CERTIFICATE OF ANALYSIS

COA N°:	917860-0
COA Date:	25/11/2024
Page	2 / 2
Customer:	
Order N°:	
Client Reference N°:	2411123, 2411124, 2411125, 2411126, 2411128, 2411129
Project N°:	



SAMPLE DESCRIPTION

Lab Sample Ref #:	GT 24-034984-002	Sample N°:	5781947	Test Date:	20/11/2024
Category Detail:	Routine	Sample Condition:	SEALED	Date Received:	18/11/2024
Product Description**:	FINAL PRODUCT: BLUEPRINT WHITE COCOA MACADAMIA CRUNCH BAR 40G V4B				

ANALYTICAL RESULTS

Tests	Analysis Start Date	Results	Units	Limits [Target value]
<input checked="" type="checkbox"/> Coliforms METHOD: SWJM 48	20/11/2024	No Growth	cfu/g	
<input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 62	20/11/2024	No Growth	cfu/g	
<input checked="" type="checkbox"/> Salmonella (VIDAS) METHOD: SWM.MIC.001 (AFNOR BIO 12/1	20/11/2024	Absent	/25g	
<input checked="" type="checkbox"/> Staphylococcus aureus METHOD: SWJM 53	20/11/2024	No Growth	cfu/g	
<input checked="" type="checkbox"/> TMA METHOD: SWJM 35	20/11/2024	30	cfu/g	
<input checked="" type="checkbox"/> Yeast & Mould METHOD: SWJM 50	20/11/2024			
Mould		No Growth	cfu/g	
Yeast		20	cfu/g	

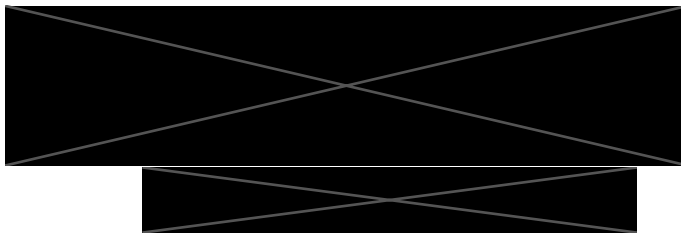
☒ Accredited analysis * Non Accredited analysis NC Non Conformance ** Customer provided data Changed Data

TMA = Total Microbial Activity / Total Viable Plate Count.
No growth = Not detected / less than the lower detection limit of the test method, for the specified sample type / volume of sample tested.
Tests marked with a tick in this report are included in the SANAS Schedule of Accreditation for this laboratory T 0350.
Tests marked with a * in this report are not included in the SANAS Schedule of Accreditation for this laboratory T0350.
** Data provided by the customer.
Tests marked with a plane in this report are Subcontracted Tests and are not included in the SANAS Schedule of Accreditation for this laboratory T0350.
The test report relates only to the specific item submitted for testing. It furnishes or implies no guarantee whatsoever, in respect of a similar item that has not been tested.
The test report applies to the sample as received where the laboratory has not been responsible for the sampling stage.
Opinions and interpretations expressed in this report are not included in the SANAS Schedule of Accreditation for this laboratory T0350.
The test report shall not be reproduced except in full without written approval of Swift Silliker (Pty) Ltd t/a Mérieux NutriSciences.

BP Lot Numbers: 2411123, 2411124, 2411125, 2411126, 2411128, 2411129

Results validated on 25/11/2024
By: Portia Nemalekanga
Technical Signatory

Portia Nemalekanga
Digitally Signed By: Livhuwani Portia Nemalekanga
Reason: COA Digital Sign
Signed On: 25/11/2024 18:13:00



CERTIFICATE OF ANALYSIS

	Specification	Results
PRODUCT:	Blueprint white cocoa butter macadamia crunch bar	Complies
FLAVOUR	White Choc/Vanilla Flavour	Complies
PRODUCTION DATE:	Packaging Date	03.12.2024 14.12.2024 16.12.2024 13.12.2024 26.11.2024 26.11.2024
EXPIRY DATE:	12 months from the packaging date	03.12.2025 14.12.2025 16.12.2025 26.11.2025 26.11.2025
LOT NUMBER AND BATCH NO	As per manufacturing standards	2411123 2411124 2411125 2411126 2411128 2411129
APPEARANCE: COLOUR:	Cream in colour with visual Pea Protein Crisps visible. Thin white coating on the bottom of the bar	Complies
TASTE:	White Choc/ Vanilla flavoured macadamia C pea crisps centre coated in Allulose coating	Complies
TEXTURES:	Soft crunch	Complies
FOREIGN OBJECTS:	No foreign objects	None
PHYSICAL PARAMETERS 40g		
TOLERANCE RANGES	40g – 43g	41g
LENGTH:	98mm-105mm	102mm
WIDTH:	25mm-30mm	28mm
HEIGHT:	15mm -20mm	19mm

ANALYTICAL RESULTS			Lab Ref : 2325774-0	
Test	Results	Units	Target	LOQ
Arsenic SWM.CHEM.048	0.033	mg/kg	4.8	0.005
Cadmium SWM.CHEM.048	0.017	mg/kg	1.44	0.005
Mercury SWM.CHEM.048	< 0.005	mg/kg	2.72	0.005
Lead SWM.CHEM.048	0.013	mg/kg	1	0.005
Pesticides	Refer to Lab results: 2024-11-19-045_02			

This is an electronically generated document. therefore, there will be no signature.

Product Inspected By: Sydney Matosa

Approved By: Candice Gentry

Date 16.12.2024




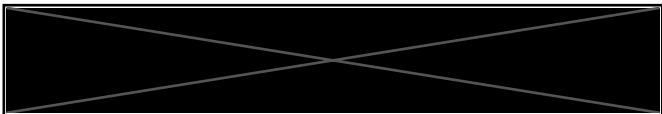
Food Safety System Manager

New Product Developer Manager


Certificate Of Analysis

Client Details

Our Lab Reference Number: 2024-11-19-045_02

	Tel: 
	Fax: 
Requested by:	
E-mail Address:	
PO Number:	
Date Received:	2024/11/19
Date Validated:	2024/11/20

Sample Details

Packhouse / PHC Code:	-	Commodity:	Macadamia crunch bar 40g V4B	Laboratory Sample ID:	BB02442
PUC Code:	2411123, 2411124, 2411125, 2411126, 2411128, 2411129	Variety:	Blueprin  hite Cocoa	Orchard No:	-
Date Sampled:	2024/11/15	Destination:	Butter	GGN/GLN:	

Compound(s) Detected	Method Reference	Dimension	Result	Default Export MRL	LOQ
----------------------	------------------	-----------	--------	--------------------	-----

No residue(s) detected

MRL = Maximum Residue Level

LOQ = Limit of Quantification

The following analyses were performed on sample BB02442

Multi-Residue Pesticide Screening (LC-MSMS + GC-MSMS)

S.O.P.C No 57

BP Lot Numbers:
White Cocoa
2411123 (12-03-2025)
2411124 (12-14-2025)
2411125 (12-16-2025)
2411126 (11-26-2025)
2411128 (11-26-2025)
2411129 (11-26-2025)



S Els

20-November-2024

Date:

Confirmed by: Technical Signatory

Only the final concentration of Methamidaphos is corrected for recovery.
The stone weight is taken into account when calculating results for stone fruit commodities.

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T0393



Certificate Of Analysis

Our Lab Reference Number: 2024-11-19-045_02

The following list of pesticide residues were screened for in sample BB02442, but were not detected at concentrations (mg/kg) above their Limit of Quantification:

Compound	LOQ	Compound	LOQ	Compound	LOQ
1-Naphthaleneacetamide	0.01	Bifenthrin	0.01	Cyantraniliprole	0.01
2,4,5-T*	0.01	Bitertanol	0.01	Cycloate	0.01
2,4-D (Sum of free acid, salts, esters and conjugates)	0.01	Boscalid	0.01	Cycloxydim	0.01
2,4-DDD	0.01	Bromacil*	0.01	Cyfluthrin (Beta-Cyfluthrin)	0.01
2,4-DDE	0.01	Bromophos-ethyl	0.01	Cyhalothrin-Lambda	0.01
2,4-DDT	0.01	Bromophos-methyl	0.01	Cyhexatin (Azocyclotin)	0.01
2-Phenylphenol	0.01	Bromopropylate	0.005	Cymoxanil	0.01
4,4-DDD	0.01	Bromoxynil	0.01	Cypermethrin (Sum of Isomers)	0.01
4,4-DDE	0.01	Bromuconazole	0.01	Cyproconazole	0.01
4,4-DDT	0.01	Bupirimate	0.01	Cyprodinil	0.01
6 - Benzyladenine (6 - Benzylaminopurine)	0.01	Buprofezin	0.01	Cyromazine	0.01
Abamectin	0.01	Butylate	0.01	Deltamethrin	0.01
Accephate	0.01	Cadusafos	0.01	Demeton-S-Methyl	0.01
Acetamiprid	0.01	Captan	0.01	Diafenthiuron	0.01
Acetochlor	0.01	Carbaryl	0.01	Diazinon	0.01
Acibenzolar-S-methyl	0.01	Carbendazim (Sum of Carbendazim and Benomyl)	0.01	Dichlofluanid	0.01
Acrinathrin	0.01	Carbofuran	0.01	Dichlormid	0.01
Alachlor	0.01	Carboxin	0.01	Dichlorophen	0.01
Alar (Daminozide)*	0.01	Carfentrazone-ethyl	0.01	Dichlorprop (Sum of free acid, salts, esters and conjugates)	0.01
Aldicarb (Sum of Aldicarb, its Sulfoxide and Sulfone)	0.01	Chinomethionate	0.01	Dichlorvos (DDVP)	0.01
Aldrin and Dieldrin (Aldrin and Dieldrin combined)	0.01	Chloramizol (Imazalil)	0.01	Diclobutrazol	0.01
Allethrin	0.01	Chlorantraniliprole	0.01	Diclofop-Methyl	0.01
Alloxydim	0.01	Chlordane	0.01	Dicloran	0.01
Ametoctradin	0.01	Chlordimeform	0.01	Diclosulam	0.01
Amicarbazone*	0.01	Chlorfenapyr	0.005	Dicofol	0.01
Amitraz	0.01	Chlorfenvinphos	0.01	Dicrotofos	0.01
Atrazine	0.01	Chlorfluazuron*	0.01	Didecyldimethylammonium Chloride	0.01
Azadirachtin	0.01	Chloridazon	0.01	Difenoconazole	0.01
Azinphos-ethyl	0.01	Chlorimuron-ethyl	0.01	Diflubenzuron	0.01
Azinphos-methyl	0.01	Chlorobenzilate	0.01	Diflufenican	0.01
Azoxystrobin	0.01	Chlorothalonil	0.01	Dimethoate	0.01
Benalaxyl	0.01	Chlorpyrifos	0.005	Dimethomorph	0.01
Bendiocarb	0.01	Chlorpyrifos-methyl	0.01	Dinobuton	0.01
Benfluralin	0.01	Chlorsulfuron	0.01	Dinocap	0.01
Bentazone*	0.01	Chlorthal-dimethyl	0.01	Dinoseb	0.01
Benthiavalicarb (Benthiavalicarb Isopropyl)	0.01	Clethodim	0.01	Dinotefuran	0.01
Benzoximate	0.01	Clofentezine	0.01	Diofenolan*	0.01
Bifenazate	0.01	Clomazone	0.01	Dioxathion	0.01
Bifenox	0.01	Clothianidin	0.01	Diphenylamine	0.01
		Coumaphos	0.01	Disulfoton	0.01
		Cyanazine	0.01	Dithianon	0.01
		Cyanophos	0.01	Diuron	0.01



S Els

20-November-2024

Date:

Confirmed by: Technical Signatory

Only the final concentration of Methamidaphos is corrected for recovery.
The stone weight is taken into account when calculating results for stone fruit commodities.

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T0393

Certificate Of Analysis

Our Lab Reference Number: 2024-11-19-045_02

Dodemorph Acetate	0.01	Fluopicolide	0.01	MCPA	0.01
Dodine	0.01	Fluopyram	0.01	Mefentrifluconazole*	0.01
Emamectin benzoate	0.01	Fluquinconazole	0.01	Mercaptothion	0.01
Endosulfan (Sum of alpha- and beta-isomers and Endosulfan-Sulphate)	0.01	Fluridone*	0.01	Metalaxyl	0.01
Endrin	0.01	Flurochloridone	0.01	Metamitron	0.01
Epoxiconazole	0.01	Flusilazole	0.01	Metazachlor	0.01
EPTC	0.01	Flusulfamide	0.01	Methamidophos	0.05
Etaconazole	0.01	Flutriafol	0.01	Methidathion	0.01
Ethiofencarb	0.01	Fluxapyroxad	0.01	Methiocarb (Sum of Methiocarb, its Sulfoxide and Sulfone)	0.01
Ethiofencarb-Sulfone	0.01	Folpet	0.01	Methomyl	0.01
Ethion	0.01	Fomesafen	0.01	Methoxyfenozide	0.01
Ethoprophos	0.01	Forchlorfenuron	0.01	Metolachlor	0.01
Ethoxyquin	0.01	Formetanate	0.01	Metrafenone	0.01
Etofenprox	0.01	Formothion	0.01	Metribuzin	0.01
Etoazole	0.01	Fosthiazate	0.01	Metsulfuron-methyl*	0.01
Famoxadone	0.01	Gamma-BHC (HCH, Lindane)	0.01	Mevinphos (Phosdrin)	0.01
Fenamidone	0.01	Halosulfuron-methyl*	0.01	Monocrotophos	0.01
Fenamiphos (Sum of Fenamiphos, its Sulfoxide and Sulfone)	0.01	Haloxypop	0.01	Multi-Residue Pesticide Screening (LC-MSMS + GC-MSMS)	N/A
Fenarimol	0.01	Haloxypop-2-ethoxyethyl	0.01	Myclobutanil	0.01
Fenazaquin	0.01	Haloxypop-methyl	0.01	Nicosulfuron	0.01
Fenbuconazole	0.01	Heptachlor	0.01	Novaluron	0.01
Fenbutatin-Oxide	0.01	Hexachlorobenzene	0.01	Ofurace*	0.01
Fenhexamid	0.01	Hexaconazole	0.01	Omethoate	0.01
Fenitrothion	0.01	Hexazinone	0.01	Oryzalin	0.01
Fenoxaprop-p-ethyl	0.01	Hexythiazox	0.01	Oxadiazon	0.01
Fenoxycarb	0.01	Hydramethylnon	0.01	Oxadixyl	0.01
Fenpropathrin	0.01	Imazamethabenz-methyl*	0.01	Oxamyl	0.01
Fenpyroximate	0.01	Imazamox	0.01	Oxycarboxin	0.01
Fenthion	0.01	Imazapyr	0.01	Oxydemeton-methyl (Sum of Oxydemeton-methyl and Demeton-S-methylsulfone)	0.01
Fentin Hydroxide	0.01	Imazaquin	0.01	Oxyfluorfen	0.01
Fenvalerate (Any ratio of constituent isomers including Esfenvalerate)	0.01	Imazethapyr	0.01	Paclobutrazol	0.01
Fipronil	0.01	Imidacloprid	0.01	Parathion	0.01
Flamprop-methyl	0.01	Imiprothrin	0.01	Parathion-methyl	0.01
Flazasulfuron*	0.01	Indoxacarb	0.01	Penconazole	0.01
Florasulam	0.01	Iodosulfuron-methyl*	0.01	Pencycuron	0.01
Fluazifop-p	0.01	Ioxynil	0.01	Pendimethalin	0.01
Fluazifop-p-butyl	0.01	Iprodione	0.01	Permethrin	0.01
Fluazinam	0.01	Iprovalicarb	0.01	Phenothrin*	0.01
Flubendiamide	0.01	Isazophos	0.01	Phenthoate	0.01
Fludioxonil	0.01	Isofenphos	0.01	Phorate	0.01
Flufenacet	0.01	Isoxaben*	0.01	Phosalone	0.01
Flufenoxuron	0.01	Kepone	0.01	Phosmet	0.01
Flumioxazin	0.01	Kresoxim-methyl	0.01	Phosphamidon	0.01
		Leptophos	0.01	Phoxim	0.01
		Linuron*	0.01		
		Lufenuron	0.01		
		Mandipropamid	0.01		



S Els

20-November-2024

Date:

Confirmed by: Technical Signatory

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T0393

Certificate Of Analysis

Our Lab Reference Number: 2024-11-19-045_02

Pinoxaden*	0.01	Spirodiclofen	0.01	Triforine	0.01
Piperonyl butoxide	0.01	Spirotetramat (incl 4 metabolites)	0.01	Trinexapac-ethyl	0.01
Pirimicarb	0.01	Spiroxamine	0.01	Triticonazole	0.01
Pirimiphos-methyl	0.01	Sulcotrione*	0.01	Uniconazole-P	0.01
Prallethrin	0.01	Sulfentrazone	0.01	Vamidothion	0.01
Pretilachlor	0.01	Sulfosulfuron*	0.01	Vinclozolin	0.01
Prochloraz	0.01	Sulfoxaflor	0.01	Zoxamide	0.01
Procymidone	0.01	Tau-Fluvalinate	0.01		
Profenofos	0.01	Tebuconazole	0.01		
Prometon	0.01	Tebufenozide	0.01		
Prometryn	0.01	Tebuthiuron	0.01		
Propachlor	0.01	Teflubenzuron	0.01		
Propamocarb	0.01	Tefluthrin	0.01		
Propaquizafop	0.01	Temephos	0.01		
Propargite	0.01	Tepraloxymid	0.01		
Propazine	0.01	Terbacil	0.01		
Propiconazole	0.01	Terbufos	0.01		
Propoxur	0.01	Terbuthylazine	0.01		
Propyzamide	0.01	Terbutryn	0.01		
Proquinazid	0.01	Tetraconazole	0.01		
Prosulfocarb	0.01	Tetradifon	0.01		
Prosulfuron	0.01	Tetramethrin	0.01		
Prothioconazole	0.01	Thiabendazole	0.01		
Prothiofos	0.01	Thiacloprid	0.01		
Pydiflumetofen*	0.01	Thiamethoxam	0.01		
Pymetrozine*	0.01	Thidiazuron	0.01		
Pyraclostrobin	0.01	Thifensulfuron-methyl	0.01		
Pyraflufen-Ethyl*	0.01	Thiodicarb	0.01		
Pyrasulfotole*	0.01	Thiometon*	0.01		
Pyrazophos	0.01	Thiophanate-methyl	0.01		
Pyrethrins	0.01	Tolclofos-methyl	0.01		
Pyridalyl	0.01	Tolyfluanid	0.01		
Pyrifenoxy	0.01	Topramezone*	0.01		
Pyrimethanil	0.01	Tralkoxydim	0.01		
Pyriproxyfen	0.01	Transfluthrin	0.01		
Pyroxasulfone*	0.01	Triadimefon	0.01		
Quinalphos	0.01	Triadimenol (Any ratio of constituent isomers)	0.01		
Quinoxifen	0.01	Triallate	0.01		
Quintozene	0.01	Triasulfuron	0.01		
Quizalofop-P-Ethyl	0.01	Triazophos	0.01		
Resmethrin	0.01	Tribenuron-methyl	0.01		
Rimsulfuron	0.01	Trichlorfon	0.005		
Salflufenacil*	0.01	Tridemorph*	0.01		
Sethoxydim	0.01	Trifloxystrobin	0.01		
Simazine	0.01	Triflurumuron	0.01		
Spinetoram	0.01	Trifluralin	0.01		
Spinosad	0.01				



S Els

20-November-2024

Date:

Confirmed by: Technical Signatory

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T0393

