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TO:
 Lifeboost Coffee
 1950 E Greyhound Pass STE 18-217
 Carmel, IN 46033

Report # 032323_21D0325R629
Received 03/23/2023
Date Report 03/25/2023
Date Page 1 of 7

Analytical Results

Sample ID	Sample Type	Test	Result
Medium Roast Coffee 1000 Grams	Beans	<i>Acrylamide</i>	196 ppb
Medium Roast Coffee 1000 Grams	Beans	<i>Aerobic Plate Count</i>	<50 CFU/g
Medium Roast Coffee 1000 Grams	Beans	<i>Arsenic</i>	2 ppb (µg/kg)
Medium Roast Coffee 1000 Grams	Beans	<i>Cadmium</i>	2 ppb (µg/kg)
Medium Roast Coffee 1000 Grams	Beans	<i>Cafestol</i>	74 ppm
Medium Roast Coffee 1000 Grams	Beans	<i>Chlorogenic Acid</i>	2,174 ppm
Medium Roast Coffee 1000 Grams	Beans	<i>Coliform</i>	<10 CFU/g
Medium Roast Coffee 1000 Grams	Beans	<i>Deoxynivalenol</i>	<0.25 ppm

Method Reference:

Acrylamide	LC-MS/MS
Aerobic Plate Count	AOAC 2015.13
Arsenic	AOAC 2015.01
Cadmium	AOAC 2015.01
Coliform	AOAC 991.14
Deoxynivalenol	AOAC 986.17



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Analytical Results

Sample ID	Sample Type	Test	Result
Medium Roast Coffee 1000 Grams	Beans	<i>E.coli</i>	<10 CFU/g
Medium Roast Coffee 1000 Grams	Beans	<i>E.coli O157:H7</i>	Negative/25g
Medium Roast Coffee 1000 Grams	Beans	<i>Fumonisin</i>	<2.5 ppb
Medium Roast Coffee 1000 Grams	Beans	<i>Glyphosate</i>	<0.01 ppm
Medium Roast Coffee 1000 Grams	Beans	<i>Kahweol</i>	6,076 ppm
Medium Roast Coffee 1000 Grams	Beans	<i>Lead</i>	2 ppb (µg/kg)
Medium Roast Coffee 1000 Grams	Beans	<i>Mercury</i>	1 ppb (µg/kg)
Medium Roast Coffee 1000 Grams	Beans	<i>Ochratoxin A</i>	<1 ppb

Method Reference:

E.coli O157:H7	PCR(BAM Chp 4A)
E.coli	PCR(BAM Chp 4)
Fumonisin	AOAC 995.15
Glyphosate	AOAC 2007.01
Lead	AOAC 2015.01
Mercury	AOAC 2015.01
Ochratoxin A	AOAC 2000.03



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Analytical Results
Sample Type Test

Sample ID			Beans Pesticide Residue Analysis Result
Medium Roast Coffee 1000 Grams			All Tested Pesticides Below LOQ*
Medium Roast Coffee 1000 Grams	Beans	<i>Salmonella spp.</i>	Negative/25g
Medium Roast Coffee 1000 Grams	Beans	<i>Staphylococcus aureus</i>	<10 CFU/g
Medium Roast Coffee 1000 Grams	Beans	<i>Staphylococcus spp.</i>	Negative/25g
Medium Roast Coffee 1000 Grams	Beans	<i>T-2 Toxin</i>	<1 ppb
Medium Roast Coffee 1000 Grams	Beans	<i>Total Aflatoxin</i>	<1 ppb
Medium Roast Coffee 1000 Grams	Beans	<i>Yeast & Mold</i>	<10 CFU/g

Method Reference:

Pesticide Residue Analysis	AOAC 2007.01
Salmonella spp.	PCR(BAM Chp 5)
Staphylococcus aureus	PCR(BAM Chp 12)
Staphylococcus spp.	PCR(BAM Chp 12)
T-2 Toxin	LCMS
Total Aflatoxin	AOAC 2005.08
Yeast & Mold	AOAC 2014.05

LOQ*: Limit of Quantitation

** : See list of Pesticides and LOQs



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Analytical Results

Sample ID	Sample Type	Test	Result
Medium Roast Coffee 1000 Grams	Beans	<i>Zearalenone</i>	<5 ppb
Medium Decaf Coffee 1000 Grams	Beans	<i>Acrylamide</i>	89 ppb
Medium Decaf Coffee 1000 Grams	Beans	<i>Aerobic Plate Count</i>	<50 CFU/g
Medium Decaf Coffee 1000 Grams	Beans	<i>Arsenic</i>	17 ppb (µg/kg)
Medium Decaf Coffee 1000 Grams	Beans	<i>Cadmium</i>	3 ppb (µg/kg)
Medium Decaf Coffee 1000 Grams	Beans	<i>Cafestol</i>	49 ppm
Medium Decaf Coffee 1000 Grams	Beans	<i>Chlorogenic Acid</i>	1,608 ppm
Medium Decaf Coffee 1000 Grams	Beans	<i>Coliform</i>	<10 CFU/g

Method Reference:

Acrylamide	LC-MS/MS
Aerobic Plate Count	AOAC 2015.13
Arsenic	AOAC 2015.01
Cadmium	AOAC 2015.01
Coliform	AOAC 991.14
Zearalenone	AOAC 985.18



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Analytical Results

Sample ID	Sample Type	Test	Result
Medium Decaf Coffee 1000 Grams	Beans	<i>Deoxynivalenol</i>	<0.25 ppm
Medium Decaf Coffee 1000 Grams	Beans	<i>E.coli</i>	<10 CFU/g
Medium Decaf Coffee 1000 Grams	Beans	<i>E.coli O157:H7</i>	Negative/25g
Medium Decaf Coffee 1000 Grams	Beans	<i>Fumonisin</i>	<2.5 ppb
Medium Decaf Coffee 1000 Grams	Beans	<i>Glyphosate</i>	<0.01 ppm
Medium Decaf Coffee 1000 Grams	Beans	<i>Kahweol</i>	1,901 ppm
Medium Decaf Coffee 1000 Grams	Beans	<i>Lead</i>	4 ppb (µg/kg)
Medium Decaf Coffee 1000 Grams	Beans	<i>Mercury</i>	<1 ppb (µg/kg)

Method Reference:

Deoxynivalenol	AOAC 986.17
E.coli O157:H7	PCR(BAM Chp 4A)
E.coli	PCR(BAM Chp 4)
Fumonisin	AOAC 995.15
Glyphosate	AOAC 2007.01
Lead	AOAC 2015.01
Mercury	AOAC 2015.01



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Analytical Results

Sample ID	Sample Type	Test	Result
Medium Decaf Coffee 1000 Grams	Beans	<i>Ochratoxin A</i>	<1 ppb
Medium Decaf Coffee 1000 Grams	Beans	<i>Pesticide Residue Analysis</i>	All Tested Pesticides Below LOQ*
Medium Decaf Coffee 1000 Grams	Beans	<i>Salmonella spp.</i>	Negative/25g
Medium Decaf Coffee 1000 Grams	Beans	<i>Staphylococcus aureus</i>	<10 CFU/g
Medium Decaf Coffee 1000 Grams	Beans	<i>Staphylococcus spp.</i>	Negative/25g
Medium Decaf Coffee 1000 Grams	Beans	<i>T-2 Toxin</i>	<1 ppb
Medium Decaf Coffee 1000 Grams	Beans	<i>Total Aflatoxin</i>	<1 ppb

Method Reference:

Ochratoxin A	AOAC 2000.03
Pesticide Residue Analysis	AOAC 2007.01
Salmonella spp.	PCR(BAM Chp 5)
Staphylococcus aureus	PCR(BAM Chp 12)
Staphylococcus spp.	PCR(BAM Chp 12)
T-2 Toxin	LCMS
Total Aflatoxin	AOAC 2005.08

LOQ*: Limit of Quantitation

** : See list of Pesticides and LOQs



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Analytical Results

Sample ID	Sample Type	Test	Result
Medium Decaf Coffee 1000 Grams	Beans	<i>Yeast & Mold</i>	<10 CFU/g
Medium Decaf Coffee 1000 Grams	Beans	<i>Zearalenone</i>	<5 ppb

Method Reference:

Yeast & Mold	AOAC 2014.05
Zearalenone	AOAC 985.18

APalapati

Laboratory Director OR Approved Signatory

The results contained in this report relate only to samples submitted. Samples are tested using Genista SOPs. Genista Biosciences does not accept any liability for damages arising out of the use or interpretation of the results contained in this report.

List of Pesticides and their limits of quantitation (LOQ)

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
2,4-D	0.01	Butafenacil+NH4	0.01
1-Naphthol	0.01	Butocarboxim sulfoxide	0.01
2,4'-DDD	0.01	Ethion	0.01
2,4'-DDE	0.01	Ethiprole	0.01
2,4'-DDT	0.01	Ethofumesate	0.01
2,6-Dichlorobenzonitrile	0.01	Prodiamine	0.01
3-Hydroxycarbofuran	0.01	Butoxycarboxim	0.01
4,4'-DDE	0.01	Ethirimol	0.01
4,4' DDT	0.01	Ethoprop	0.01
Abamectin-b1a+NH4	0.01	Captan	0.01
acephate	0.01	Carbaryl	0.01
Acetamiprid	0.01	Carbendazim	0.01
Acetochlor	0.01	Carbetamide	0.01
Acibenzolar-S-methyl	0.01	Carbofuran	0.01
Alachlor	0.01	Carbofuran-3-hydroxy+NH4	0.01
Aldicarb	0.01	Carfentrazone-ethyl	0.01
Aldicarb Sulfone	0.01	Carpropamid	0.01
Aldicarb_sulfone+H	0.01	Chlorantraniliprole	0.01
Aldrin	0.01	Chlordane cis	0.01
Allethrin (Bioallethrin)	0.01	Chlordane trans	0.01
Aminocarb	0.01	Chlorfenapyr	0.01
Ancymidol	0.01	Chlorfenvinphos	0.01
Anilofos	0.01	Chlorfluazuron	0.01
Aramite+NH4	0.01	Chloridazon (pyrazone)	0.01
Atrazine	0.01	Chlormequat	0.01
Azaconazole	0.01	Chloroneb	0.01
Azamethiphos	0.01	Chlorothalonil	0.01
Azinphos-methyl	0.01	Chlorotoluron	0.01
azoxystrobin	0.01	Chloroxuron	0.01
Bendiocarb	0.01	Chlorpropham	0.01
Benfluralin	0.01	Oxyfluorfen	0.01
Benodanil	0.01	Chlorpyrifos	0.01
Benoxacor	0.01	Chlorpyrifos methyl	0.01
Bentazon	0.01	Clethodim	0.01
Benzoximate	0.01	Clofentezine	0.01
Benzoylprop-ethyl	0.01	Clomazone	0.01
BHC alpha	0.01	Clothianidin	0.01
BHC beta	0.01	Clothianidin	0.01
BHC delta	0.01	Coumaphos	0.01
Bifenazate	0.01	Crotoxyphos+NH4	0.01
Bifenthrin	0.01	Cumyluron	0.01
Bitertanol	0.01	Cyanazine	0.01
Boscalid	0.01	Cyazofamid	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Brodifacoum	0.01	Cycloate	0.01
Bromacil	0.01	Cycluron	0.01
Bromoxynil_neg	0.01	Etaconazol	0.01
Bromuconazole	0.01	Cyflufenamid	0.01
Bupirimate	0.01	Cyfluthrin	0.01
buprofezin	0.01	Cyhalothrin, Total (Cyhalothrin-	0.01
Butachlor	0.01	Cymoxanil	0.01
Cyprodinil	0.01	Cypermethrin	0.01
Cyromazine	0.01	Ethiofencarb	0.01
DCPA	0.01	Ethiofencarb-sulfone	0.01
DDD o,p'	0.01	Ethiofencarb-sulfoxide	0.01
DDD p,p'	0.01	Ethoxyquin	0.01
DDE o,p'	0.01	Etofenprox+NH4	0.01
DDE p,p'	0.01	Etoxazole	0.01
DDT o,p'	0.01	Etrimfos	0.01
DEF (Tribufos)	0.01	Fenamidone	0.01
Deltamethrin (includes parent	0.01	Fenamiphos	0.01
Demeton-S-methylsulfone	0.01	Fenamiphos sulfone	0.01
Desmedipham	0.01	Fenamiphos sulfoxide	0.01
Desmethyl-pirimicarb	0.01	Fenarimol	0.01
Desmetryn	0.01	Fenazaquin	0.01
Diazinon	0.01	Fenbuconazole	0.01
Diazinon oxon	0.01	Fenhexamid	0.01
Dichlofluanid	0.01	Profluralin	0.01
Diclobutrazol	0.01	Fenobucarb	0.01
Dicloran (Botran)	0.01	Fenoxanil	0.01
Dicrotophos	0.01	Fenoxycarb	0.01
Dieldrin	0.01	Fenpropathrin	0.01
Diethofencarb	0.01	Fenpyroximat	0.01
Difenacoum	0.01	Fensulfothion	0.01
Difenoconazole	0.01	Fenthion	0.01
Diffubenzuron	0.01	Fenthion-sulfoxide	0.01
Dimefuron	0.01	Fenuron	0.01
Dimethametryn	0.01	Fipronil	0.01
Dimethenamid	0.01	Flonicamid	0.01
dimethoate	0.01	Florasulam	0.01
dimethomorph	0.01	Fluazifop	0.01
Dimoxystrobin	0.01	Fluazinam neg	0.01
Diniconazole	0.01	Flubendiamide	0.01
Dinotefuran	0.01	Fludioxonil	0.01
Diphenamid	0.01	Flufenacet	0.01
Disulfoton	0.01	Flufenoxuron	0.01
Dithiopyr	0.01	Flumetsulam	0.01
Diuron	0.01	Fluometuron	0.01
Dodemorph	0.01	Fluopicolide	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Endosulfan I	0.01	Fluopyram	0.01
Endosulfan II	0.01	Flurochloridone	0.01
Endosulfan sulfate	0.01	Fluoxastrobin	0.01
Endrin	0.01	Fluquinconazole	0.01
EPN	0.01	Fluridone	0.01
Epoxiconazole	0.01	beta-BHC	0.01
Esfenvalerate	0.01	Flusilazole	0.01
Esprocarb	0.01	Flutolanil	0.01
Fenitrothion	0.01	Flutriafol	0.01
Folpet	0.01	Fluvalinate	0.01
Fonofos	0.01	delta-BHC	0.01
Forchlorfenuron	0.01	Methabenzthiazuron	0.01
Formetanate hydrochloride	0.01	Methamidophos	0.01
Formothion	0.01	Methidathion	0.01
Fosthiazate	0.01	Methiocarb	0.01
Fuberidazole	0.01	Methiocarb-sulfone	0.01
Furathiocarb	0.01	Methiocarb-sulfoxide	0.01
Trifluralin	0.01	Methomyl	0.01
Halofenozide pos	0.01	Methoprotryne	0.01
Haloxyfop	0.01	Methoxychlor Total	0.01
Haloxyfop-methyl	0.012,4'	Methoxychlor	0.01
Heptachlor	0.01	4,4'-Methoxychlor olefin	0.01
Heptachlor epoxide	0.01	Methoxyfenozone	0.01
Heptenophos	0.01	Metobromuron	0.01
Hexachlorobenzene (HCB)	0.01	Metolachlor	0.01
Hexaconazole	0.01	Metolcarb	0.01
Hexaflumuron	0.01	Metosulam	0.01
Hexazinone	0.01	Metoxuron	0.01
Hexythiazox	0.01	Metrafenone	0.01
Hydroprene-S	0.01	Metribuzin	0.01
Imazalil	0.01	Mevinphos	0.01
Imazaquin	0.01	Zoxamide	0.01
Imazethapyr	0.01	Mexacarbate	0.01
Imibenconazole	0.01	MGK-264A	0.01
Imidacloprid	0.01	MGK-264B	0.01
Indoxacarb	0.01	Mirex	0.01
Isynil neg	0.01	Monocrotophos	0.01
Iprodione	0.01	Monolinuron	0.01
Iprovalicarb	0.01	Myclobutanil	0.01
Isocarbophos	0.01	Naled	0.01
Isoprocarb	0.01	Napropamide	0.01
Isoprothiolane	0.01	Neburon	0.01
Isoproturon	0.01	Nonachlor cis	0.01
Isoxaben	0.01	Nonachlor trans	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Isoxadifen-ethyl Kresoxim-methyl	0.01	Norflurazon	0.01
Lenacil	0.01	Novaluron	0.01
Lindane (BHC gamma)	0.01	Nuarimol	0.01
Linuron	0.01	Ofurace	0.01
Malaoxon	0.01	Omethoate	0.01
Malathion	0.01	Ortho-Phenylphenol	0.01
Mandipropamid	0.01	Oxadixyl	0.01
MCPA	0.01	Oxamyl oxime	0.01
Mefenacet	0.01	Oxamyl+NH4	0.01
Mepiquat chloride	0.01	Paclobutrazol	0.01
Mepronil	0.01	Parathion methyl	0.01
Metamitron	0.01	Penconazole	0.01
Metazachlor	0.01	Pencycuron	0.01
Metconazole	0.01	Pendimethalin	0.01
Nitrofen	0.01	Pentachloroaniline (PCA)	0.01
Oxadiazon	0.01	Pentachloronitrobenzene	0.01
Pentachlorothioanisole	(Quintozene)		
	0.01	Nitralin	0.01
	0.01	Pentachloroanisole	0.01
Permethrin Total	0.01	Pentachlorobenzene (PCB)	0.01
Phenmedipham	0.01	Sethoxydim	0.01
Phenthoate	0.01	Siduron	0.01
Phorate sulfone	0.01	Simazine	0.01
Phorate sulfoxide	0.01	Simeconazole	0.01
Phosalone	0.01	Simetryn	0.01
Phosmet	0.01	Spinetoram	0.01
Phoxim	0.01	Spinosad A	0.01
Picoxystrobin	0.01	Spiromesifen	0.01
Piperonyl butoxide	0.01	Spirotetramat	0.01
Piperophos	0.01	Spiroxamine	0.01
Pirimicarb	0.01	Sulfentrazone	0.01
Pirimiphos ethyl	0.01	Sulfotep	0.01
Pirimiphos-methyl	0.01	Sulprofos	0.01
Prallethrin	0.01	Tebuconazole	0.01
Prochloraz	0.01	Tebufenozide	0.01
Procymidone	0.01	Tebufenpyrad	0.01
Profenophos	0.01	Tebuthiuron	0.01
promecarb	0.01	Teflubenzuron_neg	0.01
Prometon	0.01	Tepraloxydim	0.01
Prometryn	0.01	Terbumeton	0.01
Propamocarb	0.01	Terbutylazine	0.01
Propargite	0.01	Terbutryn	0.01
Propazine	0.01	Tetrachlorvinphos	0.01
Propetamphos	0.01	Tetraconazole	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Propiconazole	0.01	Tetradifon	0.01
Propoxur	0.01	Tetramethrin	0.01
Propyzamide	0.01	Thiabendazole	0.01
Prosulfocarb	0.01	Thiacloprid	0.01
Prothioconazole	0.01	Thiamethoxam	0.01
Pymetrozine	0.01	Thidiazuron	0.01
Pyraclostrobin	0.01	Thiobencarb	0.01
Pyrazophos	0.01	Thiodicarb	0.01
Pyridaben	0.01	Thiophanate-methyl	0.01
Pyrimethanil	0.01	cis-Nonachlor	0.01
Pyriproxyfen	0.01	Tolfenpyrad	0.01
Pyroxsulam	0.01	Triadimefon	0.01
Quinalphos	0.01	Triadimenol	0.01
Quinoxifen	0.01	Triazophos	0.01
Quintozene (PCNB)	0.01	trichlorfon	0.01
Quizalofop-ethyl	0.01	Tricyclazole	0.01
Quizalofop-p	0.01	Tridemorph	0.01
Resmethrin	0.01	Trietazine	0.01
Rotenone	0.01	Trifloxystrobin	0.01
Schradan	0.01	Triflumizole	0.01
Tetrachloronitrobenzene(Tecnazene)	0.01	Tolyfluanid	0.01
trans-Nonachlor	0.01		
Vamidothion	0.01		



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Analytical Results

Sample ID	Sample Type	Test	Result
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Acrylamide</i>	170 ppb
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Aerobic Plate Count</i>	<50 CFU/g
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Arsenic</i>	2 ppb (µg/kg)
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Cadmium</i>	<1 ppb (µg/kg)
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Cafestol</i>	93 ppm
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Chlorogenic Acid</i>	3,114 ppm
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Coliform</i>	<10 CFU/g
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Deoxynivalenol</i>	<0.25 ppm

Method Reference:

Acrylamide	LC-MS/MS
Aerobic Plate Count	AOAC 2015.13
Arsenic	AOAC 2015.01
Cadmium	AOAC 2015.01
Coliform	AOAC 991.14
Deoxynivalenol	AOAC 986.17



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Uganda Medium Roast Coffee 1000 Grams	Beans	<i>E.coli O157:H7</i>	Negative/25g
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Fumonisin (B1, B2, B3)</i>	<0.25 ppm
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Glyphosate</i>	<0.01 ppm
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Kahweol</i>	6,658 ppm
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Lead</i>	5 ppb (µg/kg)
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Mercury</i>	<1 ppb (µg/kg)
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Ochratoxin A</i>	<1 ppb

Method Reference:

E.coli O157:H7	PCR(BAM Chp 4A)
E.coli	PCR(BAM Chp 4)
Fumonisin (B1, B2, B3)	AOAC 995.15
Glyphosate	AOAC 2007.01
Lead	AOAC 2015.01
Mercury	AOAC 2015.01
Ochratoxin A	AOAC 2000.03



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TO:

Lifeboost Coffee
 1950 E Greyhound Pass STE 18-217
 Carmel, IN 46033

Report # 021423_37D0217R467
 Received Date 02/14/2023
 Report Date 02/17/2023
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 Analytical Results
 Sample TypeTest

BeansPesticide Residue Analysis

Sample ID			Result
Uganda Medium Roast Coffee 1000 Grams			All Tested Pesticides Below LOQ*
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Salmonella spp.</i>	Negative/25g
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Staphylococcus aureus</i>	<10 CFU/g
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Staphylococcus spp.</i>	Negative/25g
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>T-2 Toxin</i>	<1 ppb
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Total Aflatoxin</i>	<1 ppb
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Yeast & Mold</i>	<10 CFU/g

Method Reference:

Pesticide Residue Analysis	AOAC 2007.01
Salmonella spp.	PCR(BAM Chp 5)
Staphylococcus aureus	PCR(BAM Chp 12)
Staphylococcus spp.	PCR(BAM Chp 12)
T-2 Toxin	LCMS
Total Aflatoxin	AOAC 2005.08
Yeast & Mold	AOAC 2014.05

LOQ*: Limit of Quantitation

**: See list of Pesticides and LOQs



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Analytical Results

Sample ID	Sample Type	Test	Result
Uganda Medium Roast Coffee 1000 Grams	Beans	<i>Zearalenone</i>	<5 ppb
Light Nicaragua Coffee 1000 Grams	Beans	<i>Acrylamide</i>	187 ppb
Light Nicaragua Coffee 1000 Grams	Beans	<i>Aerobic Plate Count</i>	<50 CFU/g
Light Nicaragua Coffee 1000 Grams	Beans	<i>Arsenic</i>	4 ppb (µg/kg)
Light Nicaragua Coffee 1000 Grams	Beans	<i>Cadmium</i>	2 ppb (µg/kg)
Light Nicaragua Coffee 1000 Grams	Beans	<i>Cafestol</i>	78 ppm
Light Nicaragua Coffee 1000 Grams	Beans	<i>Chlorogenic Acid</i>	3,984 ppm
Light Nicaragua Coffee 1000 Grams	Beans	<i>Coliform</i>	<10 CFU/g

Method Reference:

Acrylamide	LC-MS/MS
Aerobic Plate Count	AOAC 2015.13
Arsenic	AOAC 2015.01
Cadmium	AOAC 2015.01
Coliform	AOAC 991.14
Zearalenone	AOAC 985.18



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Analytical Results

Sample ID	Sample Type	Test	Result
Light Nicaragua Coffee 1000 Grams	Beans	<i>Deoxynivalenol</i>	<0.25 ppm
Light Nicaragua Coffee 1000 Grams	Beans	<i>E.coli</i>	<10 CFU/g
Light Nicaragua Coffee 1000 Grams	Beans	<i>E.coli O157:H7</i>	Negative/25g
Light Nicaragua Coffee 1000 Grams	Beans	<i>Fumonisin (B1, B2, B3)</i>	<0.25 ppm
Light Nicaragua Coffee 1000 Grams	Beans	<i>Glyphosate</i>	<0.01 ppm
Light Nicaragua Coffee 1000 Grams	Beans	<i>Kahweol</i>	9,873 ppm
Light Nicaragua Coffee 1000 Grams	Beans	<i>Lead</i>	3 ppb (µg/kg)
Light Nicaragua Coffee 1000 Grams	Beans	<i>Mercury</i>	<1 ppb (µg/kg)

Method Reference:

Deoxynivalenol	AOAC 986.17
E.coli O157:H7	PCR(BAM Chp 4A)
E.coli	PCR(BAM Chp 4)
Fumonisin (B1, B2, B3)	AOAC 995.15
Glyphosate	AOAC 2007.01
Lead	AOAC 2015.01
Mercury	AOAC 2015.01



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Analytical Results

Sample ID	Sample Type	Test	Result
Light Nicaragua Coffee 1000 Grams	Beans	<i>Ochratoxin A</i>	<1 ppb
Light Nicaragua Coffee 1000 Grams	Beans	<i>Pesticide Residue Analysis</i>	All Tested Pesticides Below LOQ*
Light Nicaragua Coffee 1000 Grams	Beans	<i>Salmonella spp.</i>	Negative/25g
Light Nicaragua Coffee 1000 Grams	Beans	<i>Staphylococcus aureus</i>	<10 CFU/g
Light Nicaragua Coffee 1000 Grams	Beans	<i>Staphylococcus spp.</i>	Negative/25g
Light Nicaragua Coffee 1000 Grams	Beans	<i>T-2 Toxin</i>	<1 ppb
Light Nicaragua Coffee 1000 Grams	Beans	<i>Total Aflatoxin</i>	<1 ppb

Method Reference:

Ochratoxin A	AOAC 2000.03
Pesticide Residue Analysis	AOAC 2007.01
Salmonella spp.	PCR(BAM Chp 5)
Staphylococcus aureus	PCR(BAM Chp 12)
Staphylococcus spp.	PCR(BAM Chp 12)
T-2 Toxin	LCMS
Total Aflatoxin	AOAC 2005.08

LOQ*: Limit of Quantitation

** : See list of Pesticides and LOQs



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Analytical Results

Sample ID	Sample Type	Test	Result
Light Nicaragua Coffee 1000 Grams	Beans	<i>Yeast & Mold</i>	<10 CFU/g
Light Nicaragua Coffee 1000 Grams	Beans	<i>Zearalenone</i>	<5 ppb

Method Reference:

Yeast & Mold	AOAC 2014.05
Zearalenone	AOAC 985.18

APalapati

Laboratory Director OR Approved Signatory

The results contained in this report relate only to samples submitted. Samples are tested using Genista SOPs. Genista Biosciences does not accept any liability for damages arising out of the use or interpretation of the results contained in this report.

List of Pesticides and their limits of quantitation (LOQ)

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
2,4-D	0.01	Butafenacil+NH4	0.01
1-Naphthol	0.01	Butocarboxim sulfoxide	0.01
2,4'-DDD	0.01	Ethion	0.01
2,4'-DDE	0.01	Ethiprole	0.01
2,4'-DDT	0.01	Ethofumesate	0.01
2,6-Dichlorobenzonitrile	0.01	Prodiamine	0.01
3-Hydroxycarbofuran	0.01	Butoxycarboxim	0.01
4,4'-DDE	0.01	Ethirimol	0.01
4,4' DDT	0.01	Ethoprop	0.01
Abamectin-b1a+NH4	0.01	Captan	0.01
acephate	0.01	Carbaryl	0.01
Acetamiprid	0.01	Carbendazim	0.01
Acetochlor	0.01	Carbetamide	0.01
Acibenzolar-S-methyl	0.01	Carbofuran	0.01
Alachlor	0.01	Carbofuran-3-hydroxy+NH4	0.01
Aldicarb	0.01	Carfentrazone-ethyl	0.01
Aldicarb Sulfone	0.01	Carpropamid	0.01
Aldicarb_sulfone+H	0.01	Chlorantraniliprole	0.01
Aldrin	0.01	Chlordane cis	0.01
Allethrin (Bioallethrin)	0.01	Chlordane trans	0.01
Aminocarb	0.01	Chlorfenapyr	0.01
Ancymidol	0.01	Chlorfenvinphos	0.01
Anilofos	0.01	Chlorfluazuron	0.01
Aramite+NH4	0.01	Chloridazon (pyrazone)	0.01
Atrazine	0.01	Chlormequat	0.01
Azaconazole	0.01	Chloroneb	0.01
Azamethiphos	0.01	Chlorothalonil	0.01
Azinphos-methyl	0.01	Chlorotoluron	0.01
azoxystrobin	0.01	Chloroxuron	0.01
Bendiocarb	0.01	Chlorpropham	0.01
Benfluralin	0.01	Oxyfluorfen	0.01
Benodanil	0.01	Chlorpyrifos	0.01
Benoxacor	0.01	Chlorpyrifos methyl	0.01
Bentazon	0.01	Clethodim	0.01
Benzoximate	0.01	Clofentezine	0.01
Benzoylprop-ethyl	0.01	Clomazone	0.01
BHC alpha	0.01	Clothianidin	0.01
BHC beta	0.01	Clothianidin	0.01
BHC delta	0.01	Coumaphos	0.01
Bifenazate	0.01	Crotoxyphos+NH4	0.01
Bifenthrin	0.01	Cumyluron	0.01
Bitertanol	0.01	Cyanazine	0.01
Boscalid	0.01	Cyazofamid	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Brodifacoum	0.01	Cycloate	0.01
Bromacil	0.01	Cycluron	0.01
Bromoxynil_neg	0.01	Etaconazol	0.01
Bromuconazole	0.01	Cyflufenamid	0.01
Bupirimate	0.01	Cyfluthrin	0.01
buprofezin	0.01	Cyhalothrin, Total (Cyhalothrin-	0.01
Butachlor	0.01	Cymoxanil	0.01
Cyprodinil	0.01	Cypermethrin	0.01
Cyromazine	0.01	Ethiofencarb	0.01
DCPA	0.01	Ethiofencarb-sulfone	0.01
DDD o,p'	0.01	Ethiofencarb-sulfoxide	0.01
DDD p,p'	0.01	Ethoxyquin	0.01
DDE o,p'	0.01	Etofenprox+NH4	0.01
DDE p,p'	0.01	Etoxazole	0.01
DDT o,p'	0.01	Etrimfos	0.01
DEF (Tribufos)	0.01	Fenamidone	0.01
Deltamethrin (includes parent	0.01	Fenamiphos	0.01
Demeton-S-methylsulfone	0.01	Fenamiphos sulfone	0.01
Desmedipham	0.01	Fenamiphos sulfoxide	0.01
Desmethyl-pirimicarb	0.01	Fenarimol	0.01
Desmetryn	0.01	Fenazaquin	0.01
Diazinon	0.01	Fenbuconazole	0.01
Diazinon oxon	0.01	Fenhexamid	0.01
Dichlofluanid	0.01	Profluralin	0.01
Diclobutrazol	0.01	Fenobucarb	0.01
Dicloran (Botran)	0.01	Fenoxanil	0.01
Dicrotophos	0.01	Fenoxycarb	0.01
Dieldrin	0.01	Fenpropathrin	0.01
Diethofencarb	0.01	Fenpyroximat	0.01
Difenacoum	0.01	Fensulfothion	0.01
Difenoconazole	0.01	Fenthion	0.01
Diflubenzuron	0.01	Fenthion-sulfoxide	0.01
Dimefuron	0.01	Fenuron	0.01
Dimethametryn	0.01	Fipronil	0.01
Dimethenamid	0.01	Fonicamid	0.01
dimethoate	0.01	Florasulam	0.01
dimethomorph	0.01	Fluazifop	0.01
Dimoxystrobin	0.01	Fluazinam neg	0.01
Diniconazole	0.01	Flubendiamide	0.01
Dinotefuran	0.01	Fludioxonil	0.01
Diphenamid	0.01	Flufenacet	0.01
Disulfoton	0.01	Flufenoxuron	0.01
Dithiopyr	0.01	Flumetsulam	0.01
Diuron	0.01	Fluometuron	0.01
Dodemorph	0.01	Fluopicolide	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Endosulfan I	0.01	Fluopyram	0.01
Endosulfan II	0.01	Flurochloridone	0.01
Endosulfan sulfate	0.01	Fluoxastrobin	0.01
Endrin	0.01	Fluquinconazole	0.01
EPN	0.01	Fluridone	0.01
Epoxiconazole	0.01	beta-BHC	0.01
Esfenvalerate	0.01	Flusilazole	0.01
Esprocarb	0.01	Flutolanil	0.01
Fenitrothion	0.01	Flutriafol	0.01
Folpet	0.01	Fluvalinate	0.01
Fonofos	0.01	delta-BHC	0.01
Forchlorfenuron	0.01	Methabenzthiazuron	0.01
Formetanate hydrochloride	0.01	Methamidophos	0.01
Formothion	0.01	Methidathion	0.01
Fosthiazate	0.01	Methiocarb	0.01
Fuberidazole	0.01	Methiocarb-sulfone	0.01
Furathiocarb	0.01	Methiocarb-sulfoxide	0.01
Trifluralin	0.01	Methomyl	0.01
Halofenozide pos	0.01	Methoprotryne	0.01
Haloxfop	0.01	Methoxychlor Total	0.01
Haloxfop-methyl	0.012,4'	Methoxychlor	0.01
Heptachlor	0.01	4,4'-Methoxychlor olefin	0.01
Heptachlor epoxide	0.01	Methoxyfenozide	0.01
Heptenophos	0.01	Metobromuron	0.01
Hexachlorobenzene (HCB)	0.01	Metolachlor	0.01
Hexaconazole	0.01	Metolcarb	0.01
Hexaflumuron	0.01	Metosulam	0.01
Hexazinone	0.01	Metoxuron	0.01
Hexythiazox	0.01	Metrafenone	0.01
Hydroprene-S	0.01	Metribuzin	0.01
Imazalil	0.01	Mevinphos	0.01
Imazaquin	0.01	Zoxamide	0.01
Imazethapyr	0.01	Mexacarbate	0.01
Imibenconazole	0.01	MGK 264A	0.01
Imidacloprid	0.01	MGK 264B	0.01
Indoxacarb	0.01	Mirex	0.01
Ioxynil neg	0.01	Monocrotophos	0.01
Iprodione	0.01	Monolinuron	0.01
Iprovalicarb	0.01	Myclobutanil	0.01
Isocarbophos	0.01	Naled	0.01
Isoprocab	0.01	Napropamide	0.01
Isoprothiolane	0.01	Neburon	0.01
Isoproturon	0.01	Nonachlor cis	0.01
Isoxaben	0.01	Nonachlor trans	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Isoxadifen-ethyl Kresoxim-methyl	0.01	Norflurazon	0.01
Lenacil	0.01	Novaluron	0.01
Lindane (BHC gamma)	0.01	Nuarimol	0.01
Linuron	0.01	Ofurace	0.01
Malaoxon	0.01	Omethoate	0.01
Malathion	0.01	Ortho-Phenylphenol	0.01
Mandipropamid	0.01	Oxadixyl	0.01
MCPA	0.01	Oxamyl oxime	0.01
Mefenacet	0.01	Oxamyl+NH4	0.01
Mepiquat chloride	0.01	Paclobutrazol	0.01
Mepronil	0.01	Parathion methyl	0.01
Metamitron	0.01	Penconazole	0.01
Metazachlor	0.01	Pencycuron	0.01
Metconazole	0.01	Pendimethalin	0.01
Nitrofen	0.01	Pentachloroaniline (PCA)	0.01
Oxadiazon	0.01	Pentachloronitrobenzene	0.01
Pentachlorothioanisole	(Quintozene) 0.01		0.01
	0.01	Nitralin	0.01
	0.01	Pentachloroanisole	0.01
Permethrin Total	0.01	Pentachlorobenzene (PCB)	0.01
Phenmedipham	0.01	Sethoxydim	0.01
Phenthoate	0.01	Siduron	0.01
Phorate sulfone	0.01	Simazine	0.01
Phorate sulfoxide	0.01	Simeconazole	0.01
Phosalone	0.01	Simetryn	0.01
Phosmet	0.01	Spinetoram	0.01
Phoxim	0.01	Spinosad A	0.01
Picoxystrobin	0.01	Spiromesifen	0.01
Piperonyl butoxide	0.01	Spirotetramat	0.01
Piperophos	0.01	Spiroxamine	0.01
Pirimicarb	0.01	Sulfentrazone	0.01
Pirimiphos ethyl	0.01	Sulfotep	0.01
Pirimiphos-methyl	0.01	Sulprofos	0.01
Prallethrin	0.01	Tebuconazole	0.01
Prochloraz	0.01	Tebufenozide	0.01
Procymidone	0.01	Tebufenpyrad	0.01
Profenophos	0.01	Tebuthiuron	0.01
promecarb	0.01	Teflubenzuron_neg	0.01
Prometon	0.01	Tepraloxydim	0.01
Prometryn	0.01	Terbumeton	0.01
Propamocarb	0.01	Terbutylazine	0.01
Propargite	0.01	Terbutryn	0.01
Propazine	0.01	Tetrachlorvinphos	0.01
Propetamphos	0.01	Tetraconazole	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Propiconazole	0.01	Tetradifon	0.01
Propoxur	0.01	Tetramethrin	0.01
Propyzamide	0.01	Thiabendazole	0.01
Prosulfocarb	0.01	Thiacloprid	0.01
Prothioconazole	0.01	Thiamethoxam	0.01
Pymetrozine	0.01	Thidiazuron	0.01
Pyraclostrobin	0.01	Thiobencarb	0.01
Pyrazophos	0.01	Thiodicarb	0.01
Pyridaben	0.01	Thiophanate-methyl	0.01
Pyrimethanil	0.01	cis-Nonachlor	0.01
Pyriproxyfen	0.01	Tolfenpyrad	0.01
Pyroxsulam	0.01	Triadimefon	0.01
Quinalphos	0.01	Triadimenol	0.01
Quinoxifen	0.01	Triazophos	0.01
Quintozene (PCNB)	0.01	trichlorfon	0.01
Quizalofop-ethyl	0.01	Tricyclazole	0.01
Quizalofop-p	0.01	Tridemorph	0.01
Resmethrin	0.01	Trietazine	0.01
Rotenone	0.01	Trifloxystrobin	0.01
Schradan	0.01	Triflumizole	0.01
Tetrachloronitrobenzene(Tecnazene)	0.01	Tolyfluanid	0.01
trans-Nonachlor	0.01		
Vamidothion	0.01		