

# Analytical Report

November 4, 2014

**Client:** Butch Byrum  
 Cottonman.com, LLC  
 409 Evans Bass Rd.  
 Edenton, NC 27932  
**Phone:** (252) 562-4300  
**Fax:**  
**Email:** [fbyrum@cottonman.com](mailto:fbyrum@cottonman.com)

**Project No:**

**PO No:**

**Client Sample ID:** Carolina Blend  
 Lot #: 92814

**EMA Sample No:** 14101624-01

**Date Received:** 10/16/2014

**Sample Matrix:** Organic Cotton Fiber

**Analytical Method:** EMA - NOP - OC Screen

**Extraction Method:** FDA 302

**Date Extracted:** 10/28/2014

**Date Completed:** 10/29/2014

Analyte	Amount	RL ppm	Tolerance ppm
a, b, d-BHC	ND	0.010	
Alachlor	ND	0.020	
Aldrin	ND	0.010	
Benfluralin	ND	0.020	
Bifenox	ND	0.050	
Boscalid	ND	0.020	
Bromacil	ND	0.040	
Captafol	ND	0.040	
Captan	ND	0.020	
Chlordane	ND	0.250	
Chlorfenapyr	ND	0.040	
Chlorobenzilate	ND	0.400	
Chloroprotham	ND	0.020	
Chlorothalonil	ND	0.010	
Cyanazine	ND	0.100	
Dacthal	ND	0.020	
DCPA	ND	0.020	
DDD	ND	0.020	
DDE	ND	0.020	
DDT	ND	0.020	
Dichlobenil	ND	0.030	
Dichlone	ND	0.050	
Dicloran	ND	0.020	
Dicofol	ND	0.050	
Dieldrin	ND	0.010	
Endosulfan alpha	ND	0.010	
Endosulfan beta	ND	0.010	
Endosulfan sulfate	ND	0.010	
Endosulfans (Total)	ND	0.010	
Endrin	ND	0.010	
Ethafuralin	ND	0.030	
Fenhexamid	ND	0.030	
Flutoanil	ND	0.010	
Folpet	ND	0.050	
Heptachlor	ND	0.010	
Heptachlor epoxide	ND	0.020	
Hexachlorobenzene	ND	0.010	
Indoxacarb	ND	0.030	
Iprodione	ND	0.050	
Lindane (gamma-BHC)	ND	0.010	
Linuron	ND	0.150	
Methoxychlor	ND	0.050	
Metribuzin	ND	0.020	
Mirex	ND	0.020	
Myclobutanil	ND	0.050	
Norflurazon	ND	0.010	
Oxadiazon	ND	0.050	
Oxyfluorfen	ND	0.040	
Pendimethalin	ND	0.050	
Pentachloronitrobenzene (PCNB)	ND	0.020	
Pentachloroaniline (PCA)	ND	0.010	
Perthane	ND	0.100	
Polychlorinated Biphenyls	ND	0.250	
Procyimdone	ND	0.020	
Profluralin	ND	0.020	
Pronamide	ND	0.050	
Propanil	ND	0.050	
Tetradifon	ND	0.020	
Toxaphene	ND	0.250	
Triadimefon	ND	0.020	
Trifloxystrobin	ND	0.030	
Triflumazole	ND	0.050	
Trifluralin	ND	0.020	
Vegadex (Diethyldithiocarbamic Acid)	ND	0.050	
Vinclozolin	ND	0.020	

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<u>Analyte</u>	<u>Amount</u>	<u>RL</u> <u>ppm</u>	<u>Tolerance</u> <u>ppm</u>
Bifenthrin	ND	0.020	
Cyfluthrin	ND	0.040	
Cypermethrin	ND	0.040	
Deltamethrin	ND	0.020	
Esfenvalerate	ND	0.030	
Fenpropathrin	ND	0.010	
Fluvalinate	ND	0.040	
lambda Cyhalothrin	ND	0.010	
Permethrin	ND	0.100	
Tralomethrin	ND	0.020	
Pyrethrins (Total)	ND	0.050	

Project No:

PO No:

Client Sample ID: **Carolina Blend**  
Lot #: **92814**

EMA Sample No: 14101624-01

Date Received: 10/16/2014

Sample Matrix: **Organic Cotton Fiber**

Analytical Method: **EMA - NOP - Pyrethroid Screen**

Extraction Method: **FDA 302**

Date Extracted: 10/28/2014

Date Completed: 10/29/2014

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**Client Sample ID:** Carolina Blend  
Lot #: 92814

**EMA Sample No:** 14101624-01

**Date Received:** 10/16/2014

**Sample Matrix:** Organic Cotton Fiber

**Analytical Method:** EMA - NOP - ON Screen

**Extraction Method:** FDA 302

**Date Extracted:** 10/28/2014

**Date Completed:** 10/29/2014

<u>Analyte</u>	<u>Amount</u>	<u>RL ppm</u>	<u>Tolerance ppm</u>
Acetamipride	ND	0.500	
Atrazine	ND	0.300	
Azoxystrobin	ND	0.300	
Benthiocarb	ND	0.500	
Cyanazine	ND	0.500	
Cyromazine	ND	0.500	
Cyprodinil	ND	0.500	
Dimethomorph	ND	0.500	
Diphenyl Amine	ND	0.500	
Fenamidone	ND	0.500	
Fenbuconazole	ND	0.500	
Fipronil	ND	0.500	
Fludioxinil	ND	0.500	
Hexazinone	ND	0.500	
Imazalil	ND	0.500	
Kresoxim Methyl	ND	0.500	
Metalaxyl	ND	0.500	
Metolachlor	ND	0.500	
Metribuzin	ND	0.500	
Molinate	ND	0.500	
Myclobutanil	ND	0.500	
Prometon	ND	0.500	
Prometryne	ND	0.500	
Propamocarb	ND	0.500	
Propiconazole	ND	0.500	
Pymetrozine	ND	0.500	
Pyraclostrobin	ND	0.500	
Pyriproxifen	ND	0.500	
Sethoxydim	ND	0.500	
Simazine	ND	0.500	
Tebuconazole	ND	0.500	
Terbacil	ND	0.500	
Thiabendazole	ND	0.500	

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**Client Sample ID:** Carolina Blend  
 Lot #: 92814

**EMA Sample No:** 14101624-01

**Date Received:** 10/16/2014

**Sample Matrix:** Organic Cotton Fiber

**Analytical Method:** EMA - NOP - OP Screen

**Extraction Method:** FDA 302

**Date Extracted:** 10/28/2014

**Date Completed:** 10/29/2014

<u>Analyte</u>	<u>Amount</u>	<u>RL ppm</u>	<u>Tolerance ppm</u>
Acephate	ND	0.200	
Azinphos-methyl	ND	0.500	
Bolstar	ND	0.300	
Bensulide	ND	0.500	
Carbofenthion	ND	0.200	
Chlorfenvinphos	ND	0.300	
Chlorpyrifos	ND	0.200	
Chlorpyrifos-methyl	ND	0.300	
Ciodrin	ND	0.500	
Coumaphos	ND	0.500	
DEF	ND	0.500	
Demeton (Systox) O/S Analogues	ND	0.400	
Diazinon	ND	0.300	
Dibrom	ND	0.500	
Dichlorvos	ND	0.300	
Dicrotophos	ND	0.200	
Dimethoate	ND	0.200	
Disulfoton	ND	0.200	
EPN	ND	0.200	
Ethion	ND	0.300	
Ethoprop	ND	0.500	
Fenamiphos	ND	0.200	
Fenitrothion	ND	0.300	
Fenthion	ND	0.200	
Fonofos	ND	0.400	
Isofenphos	ND	0.300	
Malathion	ND	0.200	
Metasystox-R	ND	0.500	
Methamidophos	ND	0.300	
Methodathion	ND	0.300	
Methyl Parathion	ND	0.300	
Mevinphos	ND	0.500	
O-methoate	ND	0.500	
Parathion	ND	0.400	
Phorate	ND	0.500	
Phosalone	ND	0.500	
Phosmet	ND	0.300	
Phosphamidon	ND	0.200	
Pyrimiphos-methyl	ND	0.500	
Profenofos	ND	0.200	
Propetamphos	ND	0.200	
Ronnel	ND	0.300	
Tetrachlorvinphos	ND	0.200	
Thionazin	ND	0.200	

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**EMA Sample No:** 14101624-01

**Date Received:** 10/16/2014

**Sample Matrix:** Organic Cotton Fiber

**Analytical Method:** EMA - NOP - LC/MS/MS Ext1

**Extraction Method:** FDA 302

**Date Extracted:** 10/28/2014

**Date Completed:** 10/29/2014

Analyte	Amount	RL ppm	Tolerance ppm
3-OH Carbofuran	ND	0.020	
Acephate	ND	0.020	
Acetamiprid	ND	0.020	
Acetochlor	ND	0.020	
Acibenzolar-s-methyl	ND	0.020	
Aldicarb	ND	0.020	
Aldicarb Sulfone	ND	0.020	
Aldicarb Sulfoxide	ND	0.020	
Atrazine	ND	0.020	
Avermectin	ND	0.020	
Azoxystrobin	ND	0.020	
Bensulide	ND	0.020	
Bifenazate	ND	0.020	
Bitertanol	ND	0.020	
Buprofezin	ND	0.020	
Carbaryl	ND	0.020	
Carbendazim	ND	0.020	
Carbofuran	ND	0.020	
Chlorantraniliprole	ND	0.020	
Chlorpyrifos	ND	0.020	
Clethodim	ND	0.020	
Clofentazine	ND	0.020	
Clothianidin	ND	0.020	
Cyanazine	ND	0.020	
Cyazofamid	ND	0.020	
Cycloate	ND	0.020	
Cymoxanil	ND	0.020	
Cyprodinil	ND	0.020	
Cyromazine	ND	0.020	
Diazinon	ND	0.020	
Difenoconazole	ND	0.020	
Diflubenzuron	ND	0.020	
Dimethomorph	ND	0.020	
Dinotefuran	ND	0.020	
Dioxacarb	ND	0.020	
Diphenylamine	ND	0.020	
Diuron	ND	0.020	
Emamectin Benzoate	ND	0.020	
Ethoxyquin	ND	0.020	
Etoxazole	ND	0.020	
Famoxadone	ND	0.020	
Fenamidone	ND	0.020	
Fenarimol	ND	0.020	
Fenbuconazole	ND	0.020	
Fenbutatin Oxide	ND	0.020	
Fenpyroximate	ND	0.020	
Flonicamid	ND	0.020	
Fluazifop Butyl	ND	0.020	
Flubendiamide	ND	0.020	
Fluridone	ND	0.020	
Fluoxastrobin	ND	0.020	
Formetate Hydrochloride	ND	0.020	
Hexaconazole	ND	0.020	
Hexazinone	ND	0.020	
Hexythiazox	ND	0.020	
Hydroprene	ND	0.020	
Imazalil	ND	0.020	
Imidacloprid	ND	0.020	
Indoxacarb	ND	0.020	
Kresoxim Methyl	ND	0.020	

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**EMA Sample No:** 14101624-01

**Date Received:** 10/16/2014

**Sample Matrix:** Organic Cotton Fiber

**Analytical Method:** EMA - NOP - LC/MS/MS Ext2

**Extraction Method:** FDA 302

**Date Extracted:** 10/28/2014

**Date Completed:** 10/29/2014

Analyte	Amount	RL ppm	Tolerance ppm
Malathion	ND	0.020	
Malaaxon	ND	0.020	
Mandipropamid	ND	0.020	
Metconazole	ND	0.020	
Methiocarb	ND	0.020	
Methomyl	ND	0.020	
Methoxyfenozide	ND	0.020	
Metolachlor	ND	0.020	
Metribuzin	ND	0.020	
Molinate	ND	0.020	
Myclobutanil	ND	0.020	
Naled	ND	0.020	
Napropamide	ND	0.020	
Novaluron	ND	0.020	
Oryzalin	ND	0.020	
Oxadixyl	ND	0.020	
Oxamyl	ND	0.020	
Pirimiphos Methyl	ND	0.020	
Prochloraz	ND	0.020	
Promecarb	ND	0.020	
Prometon	ND	0.020	
Prometryn	ND	0.020	
Propamocarb	ND	0.020	
Propiconazole	ND	0.020	
Propoxur	ND	0.020	
Propyzamide	ND	0.020	
Pyraclostrobin	ND	0.020	
Pymetrozine	ND	0.020	
PyridabenMyclobutanil	ND	0.020	
Pyrimethanil	ND	0.020	
Pyriproxyfen	ND	0.020	
Quinoxifen	ND	0.020	
Rotenone	ND	0.020	
Sethoxydim	ND	0.020	
Simazine	ND	0.020	
Spinetoram-J	ND	0.020	
Spinetoram-L	ND	0.020	
Spinosyn-A	ND	0.020	
Spinosyn-D	ND	0.020	
Spiromesifin	ND	0.020	
Spirotetramat	ND	0.020	
Tebuconazole	ND	0.020	
Tebufenozide	ND	0.020	
Thiabendazole	ND	0.020	
Thiacloprid	ND	0.020	
Thiamethoxam	ND	0.020	
Thidiazuron	ND	0.020	
Thiodicarb	ND	0.020	
Thiophanate-Methyl	ND	0.020	
Triadimenol	ND	0.020	
Tridemorph	ND	0.020	
Thiobencarb	ND	0.020	

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<u>Analyte</u>	<u>Amount</u>	<u>RL</u> <u>ppm</u>	<u>Tolerance</u> <u>ppm</u>
Allethrin	ND	0.300	
MGK-264	ND	0.300	
Naphthol	ND	0.300	
Nonachlor (cis & trans)	ND	0.300	
o-Phenylphenol (OPP, SOPP)	ND	0.300	
Pentachlorophenol	ND	0.300	
Piperonyl Butoxide	ND	0.300	
Pirimicarb	ND	0.100	
Propargite	ND	0.100	
Resmethrin	ND	0.200	
Tetrahydrophthalimide (THPI)	ND	0.100	

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**Analytical Method:** EMA - NOP - GC/MS Screen

**Extraction Method:** FDA 302

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