



License No. 800025015  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

## Compliance Test

**Balanced Health Botanicals**  
1500 W Hampden Ave  
Sheridan, CO 80110

Batch # 4202540  
Batch Date: 2021-02-03  
Extracted From: Industrial Hemp

Test Reg State: Florida

Order # BAL210203-030023  
Order Date: 2021-02-03  
Sample # AAAY848

Sampling Date: 2021-02-08  
Lab Batch Date: 2021-02-08  
Completion Date: 2021-02-12

Initial Gross Weight: 38.005 g  
Density: 0.9745 g/ml



Product Image

Potency  
Tested

Heavy Metals  
Passed

Mycotoxins  
Passed

Pesticides  
Passed

Residual Solvents  
Passed

Water Activity  
Tested

Pathogenic  
Passed

Microbiology (qPCR)  
Passed



### Potency - 11

Specimen Weight: 119.340 mg

Tested  
(HPLC/LCMS)



### Potency Summary

Total THC  
0.009%

Total CBD  
6.765%

Total CBG  
0.241%

Total CBN  
0.015%

Other Cannabinoids  
0.066%

Total Cannabinoids  
7.097%

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	0.000054	0.001	65.925	6.765
CBG	10.000	0.000248	0.001	2.352	0.241
CBDV	10.000	0.000065	0.001	0.383	0.039
CBC	10.000	0.000018	0.001	0.261	0.027
CBN	10.000	0.000014	0.001	0.148	0.015
Delta-9 THC	10.000	0.000013	0.001	0.086	0.009
THCV	10.000	0.000007	0.001		<LOQ
Delta-8 THC	10.000	0.000026	0.001		<LOQ
CBGA	10.000	0.00008	0.001		<LOQ
CBDA	10.000	0.00001	0.001		<LOQ
THCA-A	10.000	0.000032	0.001		<LOQ

*Xueli Gao*  
Xueli Gao Lab Toxicologist  
Ph.D., DABT

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Initial Gross Weight: 38.005 g  
Density: 0.9745 g/ml

## H Heavy Metals

Specimen Weight: 247.700 mg

Passed  
(ICP-MS)

Pieces For Panel: 30 Dilution Factor: 2.000

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ
Total Contaminant Load (TCL) <b>None Detected</b>							

## Mycotoxins

Specimen Weight: 198.760 mg

Passed  
(LCMS)

Pieces For Panel: 30 Dilution Factor: 7.547

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin B2	6	20	<LOQ
Aflatoxin G1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Ochratoxin A	12	20	<LOQ				

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Xueli Gao Lab Toxicologist  
Ph.D., DABT

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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Order Date: 2021-02-03  
Sample # AAAY848

Sampling Date: 2021-02-08  
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Completion Date: 2021-02-12

Initial Gross Weight: 38.005 g  
Density: 0.9745 g/ml



## Pesticides FL V4

Specimen Weight: 198.760 mg

**Passed**  
(LCMS/GCMS)

Pieces For Panel: 30 Dilution Factor: 7.547

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Acephate	30	3000	<LOQ
Acequinocyl	48	2000	<LOQ	Acetamiprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Azoxystrobin	10	3000	<LOQ
Bifenazate	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Boscalid	10	3000	<LOQ	Captan	30	3000	<LOQ
Carbaryl	10	500	<LOQ	Carbofuran	10	100	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Chlordane	10	100	<LOQ
Chlorfenapyr	30	100	<LOQ	Chloromequat Chloride	10	3000	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	30	500	<LOQ
Coumaphos	48	100	<LOQ	Cyfluthrin	30	1000	<LOQ
Cypermethrin	30	1000	<LOQ	Daminozide	30	100	<LOQ
Diazinon	30	200	<LOQ	Dichlorvos	30	100	<LOQ
Dimethoate	30	100	<LOQ	Dimethomorph	48	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	10	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Flonicamid	30	2000	<LOQ
Fludioxonil	48	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Imazalil	30	100	<LOQ	Imidacloprid	30	3000	<LOQ
Kresoxim Methyl	30	1000	<LOQ	Malathion	30	2000	<LOQ
Metalaxyl	10	3000	<LOQ	Methiocarb	30	100	<LOQ
Methomyl	30	100	<LOQ	methyl-Parathion	10	100	<LOQ
Mevinphos	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	500	<LOQ
Paclbutrazol	30	100	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Permethrin	30	1000	<LOQ	Phosmet	30	200	<LOQ
Piperonylbutoxide	30	3000	<LOQ	Prallethrin	30	400	<LOQ
Propiconazole	30	1000	<LOQ	Propoxur	30	100	<LOQ
Pyrethrins	30	1000	<LOQ	Pyridaben	30	3000	<LOQ
Spinetoram	10	3000	<LOQ	Spinosad	30	3000	<LOQ
Spiromesifen	30	3000	<LOQ	Spirotetramat	30	3000	<LOQ
Spiroxamine	30	100	<LOQ	Tebuconazole	30	1000	<LOQ
Thiacloprid	30	100	<LOQ	Thiamethoxam	30	1000	<LOQ
Trifloxystrobin	30	3000	<LOQ	Total Contaminant Load (TCL)	None Detected		

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Test Reg State: Florida

Order # BAL210203-030023  
Order Date: 2021-02-03  
Sample # AAAY848

Sampling Date: 2021-02-08  
Lab Batch Date: 2021-02-08  
Completion Date: 2021-02-12

Initial Gross Weight: 38.005 g  
Density: 0.9745 g/ml

**Residual Solvents – FL/UT (BHB)** **Passed**  
(GCMS)

Specimen Weight: 13.500 mg

Pieces For Panel: 30 Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	1,2-Dimethoxyethane	0.04	100	<LOQ
1,2-Dichloroethane	1.67	2	<LOQ	1,4-Dioxane	1.67	380	<LOQ
1-Butanol	1.67	5000	<LOQ	1-Pentanol	1.67	5000	<LOQ
1-Propanol	1.67	5000	<LOQ	2,2-dimethylbutane	1.67	290	<LOQ
2,3-dimethylbutane	1.67	290	<LOQ	2-Butanol	1.67	5000	<LOQ
2-Butanone	6.4	5000	<LOQ	2-Ethoxyethanol	1.67	160	<LOQ
2-methylbutane	1.67	5000	<LOQ	2-Methylpentane	1.67	290	<LOQ
2-Propanol (IPA)	1.67	5000	<LOQ	3-Methylpentane	1.67	290	<LOQ
Acetone	1.67	5000	<LOQ	Acetonitrile	0.02	410	<LOQ
Benzene	1.67	2	<LOQ	Butane	1.67	2000	<LOQ
Chloroform	0.04	60	<LOQ	Cumene	1.67	70	<LOQ
Cyclohexane	1.67	3880	<LOQ	Dichloromethane	1.67	600	<LOQ
Dimethyl sulfoxide	1.67	5000	<LOQ	Ethanol	1.67	5000	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Ethyl Ether	1.39	5000	<LOQ
Ethylene glycol	1.67	620	<LOQ	Ethylene Oxide	0.1	5	<LOQ
Heptane	1.67	5000	<LOQ	Heptane	1.67	5000	<LOQ
Hexane	1.17	290	<LOQ	Isopropyl acetate	1.67	5000	<LOQ
Isopropyl alcohol	1.67	500	<LOQ	Methanol	0.69	3000	<LOQ
Methylene chloride	2.43	600	<LOQ	Methylpropane	1.67	5000	<LOQ
N,N-dimethylacetamide	1.67	1090	<LOQ	N,N-dimethylformamide	1.67	880	<LOQ
Pentane	1.67	5000	<LOQ	Propane	1.67	2100	<LOQ
Pyridine	1.67	100	<LOQ	Sulfolane	1.67	160	<LOQ
Tetrahydrofuran	1.67	720	<LOQ	Toluene	1.67	890	<LOQ
Total Xylenes	1.67	1000	<LOQ	Trichloroethylene	0.49	80	<LOQ

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Sample # AAAY848

Sampling Date: 2021-02-08  
Lab Batch Date: 2021-02-08  
Completion Date: 2021-02-12

Initial Gross Weight: 38.005 g  
Density: 0.9745 g/ml



## Water Activity

Specimen Weight: 0.500 g

**Tested**  
(Water Activity Analyzer)

Pieces For Panel: 30 Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.332



## Pathogenic SAE (qPCR)

Specimen Weight: 220.700 mg

**Passed**  
(qPCR)

Pieces For Panel: 30 Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	E.Coli	1	Absence in 1g
			Salmonella	1	Absence in 1g



## Total Yeast and Mold

Specimen Weight: 245.600 mg

**Passed**  
(qPCR)

Pieces For Panel: 30 Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Total Yeast/Mold	100000	Passed

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## Compliance Test

**Balanced Health Botanicals**  
1500 W Hampden Ave  
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Batch # 4202542  
Batch Date: 2021-02-03  
Extracted From: Industrial Hemp

Sampling Method: MSP 7.3.1 Test Reg  
State: Florida

Order # BAL210203-030023  
Order Date: 2021-02-03  
Sample # AAAY850

Sampling Date: 2021-02-08  
Lab Batch Date: 2021-02-08  
Completion Date: 2021-02-12

Initial Gross Weight: 36.679 g  
Density: 0.967 g/ml



Product Image

Potency <b>Tested</b>	Heavy Metals <b>Passed</b>	Mycotoxins <b>Passed</b>	Pesticides <b>Passed</b>	Residual Solvents <b>Passed</b>
Water Activity <b>Tested</b>	Pathogenic <b>Passed</b>	Microbiology (qPCR) <b>Passed</b>		

**Potency - 11**  
Specimen Weight: 100.530 mg

**Tested**  
(HPLC/LCMS)

**Potency Summary**

<b>Total CBD</b> 6.933%	<b>Total THC</b> None Detected
<b>Total CBG</b> 0.255%	<b>Total CBN</b> None Detected
<b>Other Cannabinoids</b> 0.069%	<b>Total Cannabinoids</b> 7.256%

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	0.000054	0.001	67.042	6.933
CBG	10.000	0.000248	0.001	2.462	0.255
CBDV	10.000	0.000065	0.001	0.469	0.049
CBC	10.000	0.000018	0.001	0.194	0.020
Delta-9 THC	10.000	0.000013	0.001	<LOQ	<LOQ
THCV	10.000	0.000007	0.001	<LOQ	<LOQ
Delta-8 THC	10.000	0.000026	0.001	<LOQ	<LOQ
CBN	10.000	0.000014	0.001	<LOQ	<LOQ
CBGA	10.000	0.00008	0.001	<LOQ	<LOQ
CBDA	10.000	0.00001	0.001	<LOQ	<LOQ
THCA-A	10.000	0.000032	0.001	<LOQ	<LOQ

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Sampling Method: MSP 7.3.1 Test Reg  
State: Florida

Order # BAL210203-030023  
Order Date: 2021-02-03  
Sample # AAAY850

Sampling Date: 2021-02-08  
Lab Batch Date: 2021-02-08  
Completion Date: 2021-02-12

Initial Gross Weight: 36.679 g  
Density: 0.967 g/ml

## H Heavy Metals

Specimen Weight: 246.500 mg

Passed  
(ICP-MS)

Pieces For Panel: 30 Dilution Factor: 2.000

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ
Total Contaminant Load (TCL) <b>None Detected</b>							



## Mycotoxins

Specimen Weight: 184.230 mg

Passed  
(LCMS)

Pieces For Panel: 30 Dilution Factor: 8.142

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin B2	6	20	<LOQ
Aflatoxin G1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Ochratoxin A	12	20	<LOQ				

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License No. 800025015  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

Compliance Test

**Balanced Health Botanicals**  
1500 W Hampden Ave  
Sheridan, CO 80110

Batch # 4202542  
Batch Date: 2021-02-03  
Extracted From: Industrial Hemp

Sampling Method: MSP 7.3.1 Test Reg  
State: Florida

Order # BAL210203-030023  
Order Date: 2021-02-03  
Sample # AAAY850

Sampling Date: 2021-02-08  
Lab Batch Date: 2021-02-08  
Completion Date: 2021-02-12

Initial Gross Weight: 36.679 g  
Density: 0.967 g/ml



## Pesticides FL V4

Specimen Weight: 184.230 mg

**Passed**  
(LCMS/GCMS)

Pieces For Panel: 30 Dilution Factor: 8.142

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Acephate	30	3000	<LOQ
Acequinocyl	48	2000	<LOQ	Acetamiprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Azoxystrobin	10	3000	<LOQ
Bifenazate	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Boscalid	10	3000	<LOQ	Captan	30	3000	<LOQ
Carbaryl	10	500	<LOQ	Carbofuran	10	100	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Chlordane	10	100	<LOQ
Chlorfenapyr	30	100	<LOQ	Chloromequat Chloride	10	3000	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	30	500	<LOQ
Coumaphos	48	100	<LOQ	Cyfluthrin	30	1000	<LOQ
Cypermethrin	30	1000	<LOQ	Daminozide	30	100	<LOQ
Diazinon	30	200	<LOQ	Dichlorvos	30	100	<LOQ
Dimethoate	30	100	<LOQ	Dimethomorph	48	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	10	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Flonicamid	30	2000	<LOQ
Fludioxonil	48	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Imazalil	30	100	<LOQ	Imidacloprid	30	3000	<LOQ
Kresoxim Methyl	30	1000	<LOQ	Malathion	30	2000	<LOQ
Metalaxyl	10	3000	<LOQ	Methiocarb	30	100	<LOQ
Methomyl	30	100	<LOQ	methyl-Parathion	10	100	<LOQ
Mevinphos	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	500	<LOQ
Paclbutrazol	30	100	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Permethrin	30	1000	<LOQ	Phosmet	30	200	<LOQ
Piperonylbutoxide	30	3000	<LOQ	Prallethrin	30	400	<LOQ
Propiconazole	30	1000	<LOQ	Propoxur	30	100	<LOQ
Pyrethrins	30	1000	<LOQ	Pyridaben	30	3000	<LOQ
Spinetoram	10	3000	<LOQ	Spinosad	30	3000	<LOQ
Spiromesifen	30	3000	<LOQ	Spirotetramat	30	3000	<LOQ
Spiroxamine	30	100	<LOQ	Tebuconazole	30	1000	<LOQ
Thiacloprid	30	100	<LOQ	Thiamethoxam	30	1000	<LOQ
Trifloxystrobin	30	3000	<LOQ	Total Contaminant Load (TCL)	None Detected		

*Xueli Gao*  
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Ph.D., DABT

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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Extracted From: Industrial Hemp

Sampling Method: MSP 7.3.1 Test Reg  
State: Florida

Order # BAL210203-030023  
Order Date: 2021-02-03  
Sample # AAAY850

Sampling Date: 2021-02-08  
Lab Batch Date: 2021-02-08  
Completion Date: 2021-02-12

Initial Gross Weight: 36.679 g  
Density: 0.967 g/ml

**Residual Solvents – FL/UT (BHB)** **Passed**  
(GCMS)

Specimen Weight: 13.100 mg

Pieces For Panel: 30 Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	1,2-Dimethoxyethane	0.04	100	<LOQ
1,2-Dichloroethane	1.67	2	<LOQ	1,4-Dioxane	1.67	380	<LOQ
1-Butanol	1.67	5000	<LOQ	1-Pentanol	1.67	5000	<LOQ
1-Propanol	1.67	5000	<LOQ	2,2-dimethylbutane	1.67	290	<LOQ
2,3-dimethylbutane	1.67	290	<LOQ	2-Butanol	1.67	5000	<LOQ
2-Butanone	6.4	5000	<LOQ	2-Ethoxyethanol	1.67	160	<LOQ
2-methylbutane	1.67	5000	<LOQ	2-Methylpentane	1.67	290	<LOQ
2-Propanol (IPA)	1.67	5000	<LOQ	3-Methylpentane	1.67	290	<LOQ
Acetone	1.67	5000	<LOQ	Acetonitrile	0.02	410	<LOQ
Benzene	1.67	2	<LOQ	Butane	1.67	2000	<LOQ
Chloroform	0.04	60	<LOQ	Cumene	1.67	70	<LOQ
Cyclohexane	1.67	3880	<LOQ	Dichloromethane	1.67	600	<LOQ
Dimethyl sulfoxide	1.67	5000	<LOQ	Ethanol	1.67	5000	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Ethyl Ether	1.39	5000	<LOQ
Ethylene glycol	1.67	620	<LOQ	Ethylene Oxide	0.1	5	<LOQ
Heptane	1.67	5000	<LOQ	Heptane	1.67	5000	<LOQ
Hexane	1.17	290	<LOQ	Isopropyl acetate	1.67	5000	<LOQ
Isopropyl alcohol	1.67	500	<LOQ	Methanol	0.69	3000	<LOQ
Methylene chloride	2.43	600	<LOQ	Methylpropane	1.67	5000	<LOQ
N,N-dimethylacetamide	1.67	1090	<LOQ	N,N-dimethylformamide	1.67	880	<LOQ
Pentane	1.67	5000	<LOQ	Propane	1.67	2100	<LOQ
Pyridine	1.67	100	<LOQ	Sulfolane	1.67	160	<LOQ
Tetrahydrofuran	1.67	720	<LOQ	Toluene	1.67	890	<LOQ
Total Xylenes	1.67	1000	<LOQ	Trichloroethylene	0.49	80	<LOQ

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State: Florida

Order # BAL210203-030023  
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Sample # AAAY850

Sampling Date: 2021-02-08  
Lab Batch Date: 2021-02-08  
Completion Date: 2021-02-12

Initial Gross Weight: 36.679 g  
Density: 0.967 g/ml



## Water Activity

Specimen Weight: 0.500 g

**Tested**  
(Water Activity Analyzer)

Pieces For Panel: 30 Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.338



## Pathogenic SAE (qPCR)

Specimen Weight: 258.800 mg

**Passed**  
(qPCR)

Pieces For Panel: 30 Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	E.Coli	1	Absence in 1g
			Salmonella	1	Absence in 1g



## Total Yeast and Mold

Specimen Weight: 245.900 mg

**Passed**  
(qPCR)

Pieces For Panel: 30 Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Total Yeast/Mold	100000	Passed

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