

LABORATORY REPORT



COLUMBIA
FOOD LABORATORIES, INC.

36740 E Historic Columbia River Hwy.
PO Box 353
Corbett, Oregon 97019

quality analytical services for the food industry

Invoice # : 32347

Report Date : Friday, July 20, 2012

Account # : 590680

Reiner Bohlen
Oregon Freeze Dry
525 SE 25th Ave SW
P.O. Box 1048
Albany OR 97321

Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Cheese Sauce 3/13/12

Matrix : Dried Food

Lab No. : 001

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.9	%	

Sample ID : Wise Cream Sauce 3/13/12

Matrix : Dried Food

Lab No. : 002

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.9	%	

Sample ID : Wise Butter Sauce 3/13/12

Matrix : Dried Food

Lab No. : 003

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.4	%	
Oxygen	20.6	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Roasted Chicken 4/24/12

Matrix : Dried Food

Lab No. : 004

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.4	%	
Oxygen	20.6	%	

Sample ID : Wise Roasted Chicken 4/24/12

Matrix : Dried Food

Lab No. : 005

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.5	%	
Oxygen	20.5	%	

Sample ID : Wise Roasted Chicken 4/24/12

Matrix : Dried Food

Lab No. : 006

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	80.1	%	
Oxygen	19.9	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise SW Style Chicken 4/24/12

Matrix : Dried Food

Lab No. : 007

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	95.0	%	
Oxygen	5.0	%	

Sample ID : Wise SW Style Chicken 4/24/12

Matrix : Dried Food

Lab No. : 008

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	94.7	%	
Oxygen	5.3	%	

Sample ID : Wise SW Style Chicken 4/24/12

Matrix : Dried Food

Lab No. : 009

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	95.0	%	
Oxygen	5.0	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Teriyaki Style Chicken 4/24/12

Matrix : Dried Food

Lab No. : 010

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.2	%	
Oxygen	20.8	%	

Sample ID : Wise Teriyaki Style Chicken 4/24/12

Matrix : Dried Food

Lab No. : 011

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.2	%	
Oxygen	20.8	%	

Sample ID : Wise Stroganoff Beef 4/24/12

Matrix : Dried Food

Lab No. : 012

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.4	%	
Oxygen	20.6	%	

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Job Number : B21634

Sample ID : Wise Stroganoff Beef 4/24/12

Matrix : Dried Food

Lab No. : 013

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	98.4	%	
Oxygen	1.5	%	

Sample ID : Wise Cheesy Beef 4/24/12

Matrix : Dried Food

Lab No. : 014

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.9	%	

Sample ID : Wise Cheesy Beef 4/24/12

Matrix : Dried Food

Lab No. : 015

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.2	%	
Oxygen	20.8	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Savory Roasted Beef 4/24/12

Matrix : Dried Food

Lab No. : 016

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.9	%	

Sample ID : Wise Savory Roasted Beef 4/24/12

Matrix : Dried Food

Lab No. : 017

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.9	%	

Sample ID : Wise Savory Roasted Beef 4/24/12

Matrix : Dried Food

Lab No. : 018

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.9	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Apple Cinnamon Cereal 6/9/11

Matrix : Dried Food

Lab No. : 019

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.4	%	
Oxygen	20.6	%	

Sample ID : Wise Apple Cinnamon Cereal 6/9/11

Matrix : Dried Food

Lab No. : 020

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

Sample ID : Wise Apple Cinnamon Cereal 6/9/11

Matrix : Dried Food

Lab No. : 021

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

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Job Number : B21634

Sample ID : Wise Apple Cinnamon Cereal 6/9/11

Matrix : Dried Food

Lab No. : 022

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.7	%	
Oxygen	20.3	%	

Sample ID : Wise Apple Cinnamon Cereal 6/9/11

Matrix : Dried Food

Lab No. : 023

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

Sample ID : Wise Crunchy Granola 6/9/11

Matrix : Dried Food

Lab No. : 024

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.2	%	
Oxygen	20.8	%	

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Job Number : B21634

Sample ID : Wise Crunchy Granola 6/9/11

Matrix : Dried Food

Lab No. : 025

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.9	%	

Sample ID : Wise Crunchy Granola 6/9/11

Matrix : Dried Food

Lab No. : 026

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

Sample ID : Wise Crunchy Granola 6/9/11

Matrix : Dried Food

Lab No. : 027

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	80.1	%	
Oxygen	19.9	%	

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Sample ID : Wise Crunchy Granola 6/9/11

Matrix : Dried Food

Lab No. : 028

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.2	%	
Oxygen	20.8	%	

Sample ID : Wise Brown Sugar & Maple Multi-Grain

Matrix : Dried Food

Lab No. : 029

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

Sample ID : Wise Brown Sugar & Maple Multi-Grain

Matrix : Dried Food

Lab No. : 030

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.4	%	
Oxygen	20.6	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Brown Sugar & Maple Multi-Grain

Matrix : Dried Food

Lab No. : 031

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.2	%	
Nitrogen (by difference)	79.0	%	
Oxygen	20.8	%	

Sample ID : Wise Brown Sugar & Maple Multi-Grain

Matrix : Dried Food

Lab No. : 032

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	79.2	%	
Oxygen	20.7	%	

Sample ID : Wise Brown Sugar & Maple Multi-Grain

Matrix : Dried Food

Lab No. : 033

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.8	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Bananas 3/29/12

Matrix : Dried Food

Lab No. : 034

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.3	%	
Nitrogen (by difference)	95.5	%	
Oxygen	4.2	%	

Sample ID : Wise Bananas 3/29/12

Matrix : Dried Food

Lab No. : 035

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.3	%	
Nitrogen (by difference)	95.9	%	
Oxygen	3.8	%	

Sample ID : Wise Peaches 3/29/12

Matrix : Dried Food

Lab No. : 036

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	92.4	%	
Oxygen	7.5	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Peaches 3/29/12

Matrix : Dried Food

Lab No. : 037

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.8	%	

Sample ID : Wise Strawberries 3/29/12

Matrix : Dried Food

Lab No. : 038

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	79.1	%	
Oxygen	20.8	%	

Sample ID : Wise Strawberries 3/29/12

Matrix : Dried Food

Lab No. : 039

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	79.2	%	
Oxygen	20.7	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Apples 3/29/12

Matrix : Dried Food

Lab No. : 040

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	93.0	%	
Oxygen	7.0	%	

Sample ID : Wise Apples 3/29/12

Matrix : Dried Food

Lab No. : 041

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	92.9	%	
Oxygen	7.1	%	

Sample ID : Wise Apples 3/29/12

Matrix : Dried Food

Lab No. : 042

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	93.2	%	
Oxygen	6.8	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Yogurt Style Dessert 3/29/12

Matrix : Dried Food

Lab No. : 043

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	79.5	%	
Oxygen	20.4	%	

Sample ID : Wise Yogurt Style Dessert 3/29/12

Matrix : Dried Food

Lab No. : 044

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.2	%	
Nitrogen (by difference)	80.3	%	
Oxygen	19.5	%	

Sample ID : Wise Caramel Sauce 3/29/12

Matrix : Dried Food

Lab No. : 045

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Caramel Sauce 3/29/12

Matrix : Dried Food

Lab No. : 046

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

Sample ID : Wise Vanilla Pudding 3/29/12

Matrix : Dried Food

Lab No. : 047

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

Sample ID : Wise Vanilla Pudding 3/29/12

Matrix : Dried Food

Lab No. : 048

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Corn 3/13/12

Matrix : Dried Food

Lab No. : 049

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.3	%	
Oxygen	20.7	%	

Sample ID : Wise Corn 3/13/12

Matrix : Dried Food

Lab No. : 050

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.4	%	
Oxygen	20.6	%	

Sample ID : Wise Corn 3/13/12

Matrix : Dried Food

Lab No. : 051

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	93.0	%	
Oxygen	7.0	%	

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Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Peas 3/13/12

Matrix : Dried Food

Lab No. : 052

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.5	%	
Nitrogen (by difference)	92.0	%	
Oxygen	7.5	%	

Sample ID : Wise Peas 3/13/12

Matrix : Dried Food

Lab No. : 053

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.6	%	
Oxygen	20.4	%	

Sample ID : Wise Broccoli 3/13/12

Matrix : Dried Food

Lab No. : 054

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.5	%	
Nitrogen (by difference)	93.0	%	
Oxygen	6.5	%	

LABORATORY REPORT



COLUMBIA
FOOD LABORATORIES, INC.

36740 E Historic Columbia River Hwy.
PO Box 353
Corbett, Oregon 97019

quality analytical services for the food industry

Invoice # : 32347

Report Date : Friday, July 20, 2012

Account # : 590680

Reiner Bohlen
Oregon Freeze Dry
525 SE 25th Ave SW
P.O. Box 1048
Albany OR 97321

Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Broccoli 3/13/12

Matrix : Dried Food

Lab No. : 055

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.5	%	
Nitrogen (by difference)	93.9	%	
Oxygen	5.6	%	

Sample ID : Wise Broccoli 3/13/12

Matrix : Dried Food

Lab No. : 056

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.3	%	
Nitrogen (by difference)	81.2	%	
Oxygen	18.5	%	

Sample ID : Wise Green Beans 3/13/12

Matrix : Dried Food

Lab No. : 057

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	79.5	%	
Oxygen	20.5	%	

LABORATORY REPORT



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Oregon Freeze Dry
525 SE 25th Ave SW
P.O. Box 1048
Albany OR 97321

Date Received : 7/16/2012

Job Number : B21634

Sample ID : Wise Green Beans 3/13/12

Matrix : Dried Food

Lab No. : 058

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	96.8	%	
Oxygen	3.2	%	

Sample ID : Wise Green Beans 3/13/12

Matrix : Dried Food

Lab No. : 059

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.0	%	
Nitrogen (by difference)	96.7	%	
Oxygen	3.3	%	

Sample ID : Wise Mushroom Sauce 3/13/12

Matrix : Dried Food

Lab No. : 060

Test Code : N805

Test Name : Headspace Gases (O2, CO2, N2 by diff.)

Analyte	Result	Units	Note
Carbon Dioxide	0.1	%	
Nitrogen (by difference)	79.8	%	
Oxygen	20.1	%	
