

High Science Q&A

CANNABIS LABS ENSURE SAFETY AND CONFIDENCE

In the state of Oregon, cannabis testing is required and regulated. Kaylynnne Marquez, Quality Assurance Officer and Lauren Frankel, Laboratory Technician at EVIO Labs share insight about THC values, compounds and testing methods.

How does THC compare to ABV (alcohol by volume) and why do you think people search for higher numbers?

The relationship between ABV and alcohol is assumed to be linear. The more you drink, the drunker you become. THC is a more dynamic and medicinal compound; the method of consumption can affect the user's experience. Additionally, it's speculated that endocannabinoid receptors may have a saturation point, wherein if you smoke large amounts of cannabis you may hit a point where your body cannot physically absorb any more THC. Also, THC interacts with other cannabinoids and terpenes, which modulate the effects of different cannabinoids and can, change the user's experience.

Besides THC, do other cannabinoids or compounds in cannabis affect the high?

Research indicates that cannabinoids and aromatic compounds (terpenes) work together via the body's endocannabinoid system to create an entourage effect, where the compounds are interacting to create different effects for the user. CBD is a common cannabinoid that would affect the user's high. It's postulated that CBD reduces activation in the body's CB1 endocannabinoid receptors, therefore creating less of a high for the user, as well as fewer of the unfortunate effects of high THC ingestion, such as anxiety.

What is the average percentage of THC in cannabis that you see in the lab?

The average is currently 18 percent.

What is the highest scientifically possible percentage of THC in flower and extract?

I don't think we can say for sure as we don't possess supporting data. However, the THC content in flower peaks at 30 percent, whereas with certain extracts you can see upwards of 99 percent THC.

Why is testing cannabis so important?

Comprehensive cannabis testing is integral to the industry because it ensures consumer safety and confidence. It's the best way for consumers to know their product is free of contaminants such as pesticides or mold. Also, it's important for consumers to know the exact dosing for a product, especially with edibles.

Is there a standardized methodology for cannabis testing?

The methodology for cannabis testing has become fairly standardized in terms of instruments used to perform analyses. Approaches employed by each lab are different and typically proprietary. Labs formulate and modify new methods as needed to adapt to new research and best practices. Most analyses (potency, pesticides, solvents, terpenes) utilize different types of chromatography. Chromatography is the separation of a mixture by passing it in liquid or gas form through a medium in which the components move and separate out at different rates.

What is the margin of error for lab testing?

Each test and each lab will have a different margin of error for the test they conduct. The accrediting body, typically ORELAP, monitors these parameters.

Do you have any other insight you think is useful to people?

The one that stands out to us is that the highest THC product is not always the best. The effects of other cannabinoids and terpenes can translate into vastly different experiences for the consumer. We recommend that people branch out and try products of all different potencies and terpene contents.



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Announcements

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OREGON'S PACIFIC GREEN PARTY INVITES REGISTERED PACIFIC GREENS AND INTERESTED PROGRESSIVES to attend the Sunday June 3, 2018 Oregon Nominations Convention from 10am-4pm at the Eugene, OR Growers' Market, 454 Willamette Street. Candidates will be nominated/endorsed and ballot issues discussed/endorsed for the Fall 2018 state and national elections. There will be a Campaign School with workshops including How to Plan a Grassroots Campaign at the Growers' Market on Saturday June 2 from 10am-4pm. **PLEASE SEE OUR WEBSITE: PACIFICGREENS.ORG FOR DETAILS.**

RESERVE YOUR SEATING for game nights, discussion groups, club meetings, work meetings, etc at **TOWNSHEND'S TEA HOUSE**. We are now taking reservations for any size group **FREE** of charge. We provide a perfect space to get your group together weekly, bi-weekly, monthly or as your needs dictate. Please call the teahouse at 541.654.4284 to reserve. Purchase is required.

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GREENHILL HUMANE SOCIETY Everybody Deserves a Good Home. Open Fr-Tu 11a-6p, closed We/Th. 88530 Green Hill Rd 541-689-1503 and 1st Avenue Shelter open Tu-Fr 10a-6p & Sa 10a-5:30p, closed Su/Mo. 3970 W. 1st Ave 541-844-1777. green-hill.org See our Pet of the Week!

SHELTER ANIMAL RESOURCE ALLIANCE S.A.R.A.'s Treasures Gift & Thrift Shop. Volunteer, Donate, Shop, **ADOPT!** 871 River Road, Open Daily 10am-6pm. 541-607-8892 sarastreasures.org **LOOK FOR THIS WEEK'S RESCUED CAT.**

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LEGAL NOTICES

ESTATE OF STEVEN RAPHAEL COHEN: NOTICE TO INTERESTED PERSONS: Case Number: 18PB04061. **NOTICE:** The Circuit Court of the State of Oregon, for the County of Lane, has appointed the undersigned as Personal Representative of the Estate of STEVEN RAPHAEL COHEN, deceased. All persons having claims against said estate are required to present the same, with proper vouchers to the Personal Representative at 3040 Commercial St. SE Ste. 120, Salem, OR 97302 within four months from the date of first publication of this notice as stated below, or they may be barred. All persons whose rights may be affected by this proceeding may obtain additional information from the records of the court, the Personal Representative, or the Attorney for the Personal Representative. **DATED AND FIRST PUBLISHED MAY 31ST, 2018** PERSONAL REPRESENTATIVE Brody Foster-Cohen, 2225 Todd St., Eugene, OR 97405, Phone: 541.517.9985, ATTORNEY FOR PERSONAL

REPRESENTATIVE, Adam Famulary, OSB 133556, 3040 Commercial St. SE Ste. 120, Salem, OR 97302 Phone: 503.863.2732 Fax: 971.770.0450 Email: famularylaw@gmail.com

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR LANE COUNTY PROBATE DEPARTMENT: In the Matter of the Estate of BRIAN DRABBLE, Decedent. Case No. 18PB03317. **NOTICE TO INTERESTED PERSONS:** NOTICE IS HEREBY GIVEN that Geoffrey Drabble has been appointed personal representative. All persons having claims against the estate are required to present them, with vouchers attached, to the personal representative at the law office of Bassinger & Harvey, attn: Scott G. Bassinger, 1200 Executive Parkway, Suite 320, Eugene, Oregon 97401 within four months after the date of first publication of this notice, or the claims may be barred. All persons whose rights may be affected by the proceedings may obtain additional information from the records of the court, the personal representative or the attorneys for the personal representative, Scott G. Bassinger, Bassinger & Harvey 1200 Executive Parkway, Suite 320, Eugene, Oregon 97401. **DATED AND FIRST PUBLISHED : 05/17/18.** Personal Representative: Geoffrey Drabble, 33 Weatherhead Ave. Middlesbrough, TS54JX - England Telephone: 07956009761. Attorney for Personal Representative: Scott G. Bassinger, OSB# 920285 Bassinger & Harvey 1200 Executive Parkway, Suite 320 Eugene, Oregon 97401. Telephone: 541-687-8700 Fax: 541-687-8701 scott@bassinger-harveylaw.com

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR LANE COUNTY- PROBATE DEPARTMENT: In the Matter of the Estate of: KAZUKO EMMY LYTLE, Deceased. Case No. 18-PB02782. **NOTICE TO INTERESTED PERSONS:** NOTICE IS HEREBY GIVEN that the undersigned, Susan H. Schreiber, has been appointed Personal Representative. All persons having claims against the estate are required to present them, with vouchers attached, to the personal representative, Susan H. Schreiber, c/o Kent Anderson Law Office, 888 West Park, Eugene, Oregon 97401, within four months after the date of first publication of this notice, or the claims may be barred. All persons whose rights may be affected by the proceedings may obtain additional information from the records of the Court or the Personal Representative. **DATED AND FIRST PUBLISHED MAY 24TH, 2018.** /s/ Susan H. Schreiber, Personal Representative

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR LANE COUNTY- PROBATE DEPARTMENT: In the Matter of the Estate of: PHYLLIS FIELD STUART, Deceased. Case No. 18-PB03814. **NOTICE TO INTERESTED PERSONS:** NOTICE IS HEREBY GIVEN that the undersigned, Nanette M. Stuart, has been appointed Personal Representative. All persons having claims against the estate are required to present them, with vouchers attached, to the personal representative, Nanette M. Stuart, c/o Kent Anderson Law Office, 888 West Park, Eugene, Oregon 97401, within four months after the date of first publication of this notice, or the claims may be barred. All persons whose rights may be affected by the proceedings may obtain additional information from the records of the Court or the Personal Representative. **DATED AND FIRST PUBLISHED MAY 31ST, 2018.** /s/ Nanette M. Stuart, Personal Representative

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR LANE COUNTY: Probate Department: In the Matter of the Estate of: MARTHA (MARTI) LEE BERGER, Deceased. Case No. 18PB03771 : **NOTICE TO INTERESTED PERSONS:** NOTICE IS GIVEN that Mary J. Varon has been appointed personal representative of this estate. All Persons having claims against the estate are required to present them, with vouchers attached, to the personal representative c/o Robert Cole Tozer, Attorney at Law, 975 Oak St., Suite 615, Eugene, Oregon, 97401, [541]345-0795, within four months of the date of first publication of this notice, or the claims may be barred. All persons whose rights may be affected by the proceedings may obtain additional information from the records of the court, the personal representative, or the personal representatives attorney, Robert Cole Tozer. **DATED AND FIRST PUBLISHED MAY 17, 2018.** Personal Representative /s/ Mary J. Varon

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR LINN COUNTY: Case No. 18PB03015: **NOTICE TO INTERESTED PERSONS** in the matter of the Estate of Joseph James Slangal, Deceased. **NOTICE IS HEREBY GIVEN** that Ronald L. Sperry III has qualified and been appointed as the Personal Representative of the estate. All persons having claims against the estate are hereby required to present them, with