



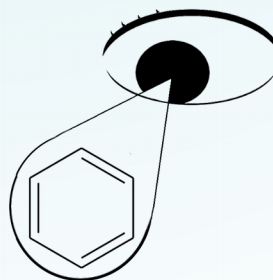
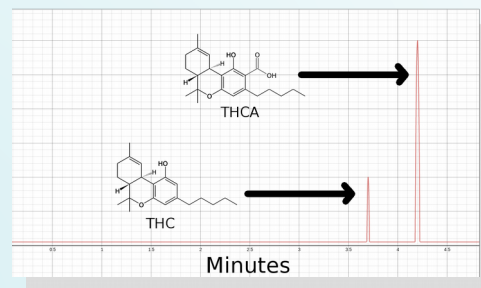
DIGAMMA CONSULTING

For **analytical laboratories**, Digamma offers years of experience in analytical testing for the commercial cannabis industry, including first lab in California and first lab in Nevada. Whether in an independent laboratory or in-house, we can reduce development time and costs for your analytical system without sacrificing quality, while avoiding loss due to employee turnover and process adaptation.

- Method Development and Validation
- Equipment Purchasing and Installation
- Standard Operating Procedures
- Quality Management Systems and Documentation
- Permits and Licenses
- Employee Training
- Accreditation and audits, including ISO 17025
- Compliance, including CA SB-64
- Maintenance and Repair
- Facilities and Workflow Design

Methods Include:

- LC/MS/MS Pesticides and Mycotoxins
- GC/MS/MS Pesticides
- LC/UV and LC/MS Cannabinoids
- GC/MS Terpenes
- GC/MS Solvents
- ICP/MS Metals
- qPCR Fungal and Bacteria
- Plating for Fungal and Bacteria
- Visual and Foreign Matter
- Product Sampling

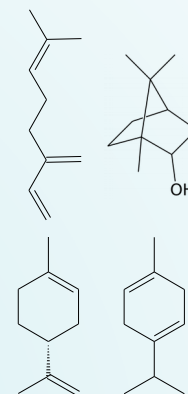




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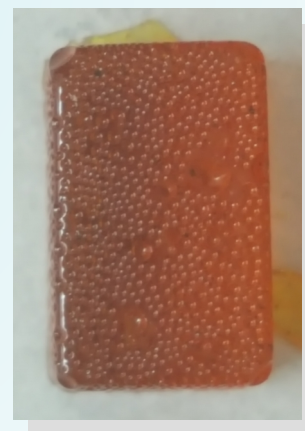
For **manufacturers**, we bring unique knowledge in **extraction, formulation, and compounding** of cannabis products from the pharmaceutical and nutraceutical sectors.

- Solvent and non-organic solvent extraction systems
- Flavor chemistry
- Distillation
- Pharmaceutical compounding
- New product formulation
- Equipment Purchasing and Installation
- Standard Operating Procedures
- Quality Management Systems and Documentation
- Compliance training, including ISO and GMP
- Maintenance and Repair
- Facilities and Workflow Design



Products include:

Cannabis resins, oils, and extracts
Vapor cartridges and inhalers
Creams, salves, patches and other topicals
Capsules, tablets, and suppositories
Water-soluble forms and beverages



CONTACT

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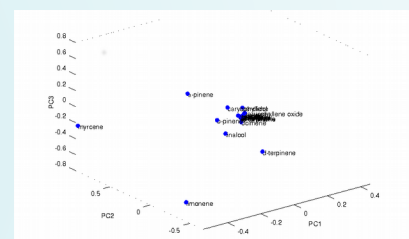
marco@digammaconsulting.com



DIGAMMA RESEARCH

In addition to our industry services, Digamma maintains an active **research division**, seeking to bridge the knowledge acquired in clinical medicine and big data methods with the cannabis industry in an effort to improve product quality and user experience. We are always seeking like-minded collaborators to find new applications for our technologies.

- Artificial Intelligence algorithms for chemical profile meta-analysis
- DiscOmic visualization system for cannabis taxonomy
- Database of scientific papers on the medicinal effects of different terpenoids
- Database of chemical profiles for cannabis products from across the US
- Strain recommender systems
- Cultivation and production output optimization
- Advanced molecular modeling
- SQL-based LIMS tailored for ISO and cannabis
- XeoLedger blockchain-based LIMS overlay



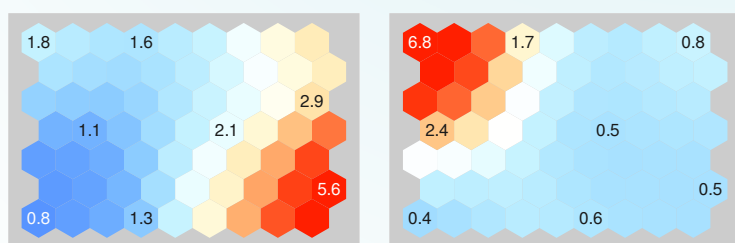
Loading Plot of Terpene PCA

Database ID	Strain Name	THCA	THCV	CBDA	CBD	CBDV
1	tangerine trai	28.99		0.06	0	
2	Tahoe OG	15.02		0	0	
3	Purple Verde	19.81		0	0	
4	White	16.1		0	0	
5	Durbin Poison	15.86		0	0	
6	Sour Diesel	16.08		0	0	
7	Durbin Poison	25.17		0.05	0	
8	Divided Sky	24.75		0.04	0	
9	Killer Queen	23.97		0.05	0	
10	Royal Kush	20.85		0.04	0	
11	Abusive OG	29.29		0.05	0	
13	Tangerine Trai	19.31		0.04	0	
14	Cheese	25.8		0.07	0.06	
15	Grand Daddy	19.8		0	0	
16	Bubba Kush P	12.3		0	0	
17	Snow Dog	17.5		0	0.14	
18	Kosher Kush	22.1		0	0	
20	Chem 91	19.7		0.07	0.1	
21	Chem 91	16.9		0.07	0.1	

Strain Database

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Medical Paper Database



Advance AI Visualizations



DiscOmic Chem-Based Labels