

The **Future** of Flavor

# AGENDA

Purilum - Who we are

- Background, Statistics & Community

Purilum - What we do

- Facility & Product offerings

Purilum - How do we do it

- Toxicology, standards



#### Purilum was incorporated in Greenville NC on 22<sup>nd</sup> November 2013



- Molecular Flavor Formulation
- World-Class Flavorist/ Organic Chemist
- Experienced in Sophisticated Laboratory Testing
- Quality Standards Expertise (CGMP, ISO)





- Product Commercialization
- Marketing and Sales Expertise
- Customer Service Oriented
- Tobacco Regulatory Experience



## **PURILUM**

Total Investment \$3,310,000

No of employees 25 employees (includes 2 PhDs)

Average Salary \$ 27,406.58



### PURILUM DELIVERS

- Flavor Creation
- E-Liquid Manufacturing
- E-Services
  - ✓ Cartomizer Filling
  - ✓ Bottle Filling
- Value-Added Support
  Services









## The Purilum Difference

#### Flavor Expertise

With 60 years of combined experience Purilum's founders are experienced flavorists /chemists and personally develop each flavor.

#### **Traceability**

Complete traceability from raw materials to finished products with batch labeling and purity verification / certifications.

#### **Purity**

Rigid testing standards that meet USP requirements to verify purity at every stage of development.

#### Consistency

Automated processes and manufacturing standards in a GMP-compliant environment ensures consistent quality and flavor.

#### Capacity

Fully-automated facility for maximum output and unrivaled capacity and efficiency through economies of scale.



### TRACEABILITY

- Traceability of e-liquid ingredients used from flavor development, nicotine, and PG/VG.
- Traceability throughout production, including, machinery, production line, and shift.

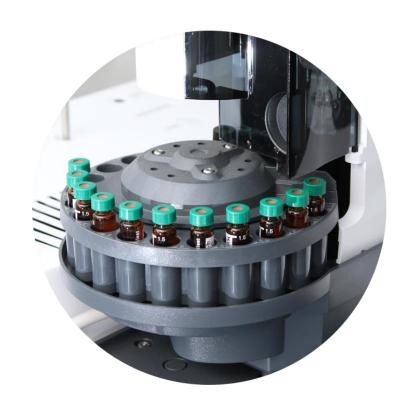




## PURITY VERIFICATION

#### **TOXICOLOGY**

- Chris Coggins, Ph.D. Board Certified, US, UK Registered Toxicologist with special expertise in traditional combustible inhalation, toxicology, general toxicology, and toxicological pathology and epidemiology
- Review for ingredient suitability prior to inclusion
- Provides a multi stage risk assessment of all materials prior to use





## PURITY VERIFICATION

#### **IN-HOUSE TESTING**

- Ingredient Purity Verification
  - ✓ Gas Chromatography
  - Quarantined prior to approval for production usage
- E-liquid Batch Testing
  - ✓ Batch Labeling
  - ✓ Quality Certificate
- Finished Product Ratio Testing (Nicotine, PG/VG)
- Finished Product & Ingredient Traceability













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