# VAPE TESTING ONBOARDING QUESTIONNAIRE

Quotes are based on Cannabis Extract matrices composed of cannabinoid and terpene mixture. Other formulations that contain carriers, oils and/or flavorings may require additional testing and matrix validations. Price and turnaround time may be impacted, requiring additional samples to complete matrix validations.

| Project Information | | |
|---|---|---|
| **Category** | **Description / Question** | **Comments** |
| Testing Matrix | Are you testing :<br>❑ Cannabis Extract<br>❑ Cannabis Vapour | |
| Sample & Device Names | Number of Sample Formulations | |
| | Sample Name(s) | |
| | Number of Devices | |
| | Device Name(s),<br>If applicable Battery Name(s) and Tank/Pod/Cartridge Name(s) | |
| Sample Composition (range is acceptable) | Cannabinoids (% w/w) : | |
| | Terpenes (% w/w): | |
| | Propylene Glycol/Glycerol (% w/w) : | |
| | Flavouring Agents (% w/w) : | |
| | Carrier oil (% w/w) : | |
| | Any other additives (% w/w) : | |
| Sample & Device Supply | Please provide any information on sample or device inventory limitations (i.e. limited number of devices will impact turnaround time and efficiency during testing) | |
| Puff Regimes | Puff Regime is defined as Puff Volume, Puff Duration and Puff Frequency. For example, the standard CORESTA testing regime for e-vapour testing is 55mL puff volume / 3 second puff duration / 30 second puff frequency. This regime is most commonly used to compare device performance and deliveries across different SKUs. Additional more intense or less intense regimes could be utilized to show worst case or best case scenarios for study of deliveries, as well as degradants and by-product formation.<br>Example: 55ml/3 seconds/30 seconds. 1 puff block of 25 puffs OR 55ml/3 seconds/30 seconds. 2 puff blocks of 50 puffs (analyze after every 50 puffs).<br>Please specify a puffing regime or let us know if you require assistance in determining a puffing regime that will work for your device and formulation combination. | |
| | Puff Volume (mL) | |

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| | Duration of puff (sec) | |
| | Puff intervals (sec) | |
| | Number of puffs to be taken per puff block (can be used for End of Life testing as well) | |
| Puff Blocks Per Analysis | Please indicate the number of puff blocks you would you like to test:<br>❑ 1 puff blocks from 1 cartridge (i.e. testing first 50 puffs of a cartridge), OR<br>❑ multiple puff blocks from the same cartridge (i.e. testing multiple puff blocks from the same cartridge, such as for the study of deliveries and by-products at the beginning, middle and end of the cartridge life) | |
| Replicates | Please indicate the number of replicates you would like to test<br>❑ Suggested a minimum of three (3) replicates to allow for statistical evaluation<br>❑ Suggested seven (7) replicates for Regulatory Submissions (in line with US FDA's PMTA-ENDS) | |
| Sample Storage Requirements | What are the ideal storage conditions for your samples:<br>❑ ambient<br>❑ requiring refrigeration<br>❑ stability testing required | |
| **Device Information** | | |
| **Category** | **Description / Question** | **Comments** |
| Device Description: | Please include a short description of your device including:<br>❑ device Power On method (button press sequence)<br>❑ type of activation at each puff(inhalation or button)<br>❑ type of device (single-use, rechargeable and/or reusable) | |
| Closed or Open Tank | If this device is not prefilled, include filling instructions and refill frequency.<br>For open systems, please include cleaning instructions and frequency. | |
| Device Schematics/Photos; Mouthpiece Dimensions | Please provide description, measurements and/or photos to ensure proper seal can be achieved during sample generation on the smoking machines. | |
| Pre-Activation Duration(sec): | If your device is button activated, specify the duration of the button activation:<br>The time between button activation and puff initiation (s), if any | |

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| Indication Device is Working: | Where are the indicators that confirm the device is working during use? | |
| Cartridge End Of Life (EoL) | Would you like to include Cartridge EoL testing?<br>If so, provide the approximate number of total draws/puffs expected for each cartridge<br>(this is for quoting purposes, there will be a "true-up" after testing is complete) | |
| Cartridge EoL Mass Loss Target: | What is the expected dose delivery? (eg. 0.4g delivered from 0.5g pod)<br>Acceptance criteria for reaching cartridge EoL? (eg. drop of 80% or more in Accumulated Mass Loss as compared to the previous puff segment) | |
| Priming Puffs (if required) | Does the device need to be primed before testing?<br>(priming puffs are the number of puffs taken in advance of aerosol collection to ensure that the wick has been saturated with and ready for the dose delivery) | |
| Wattage or Temperature Settings | What wattage or temperature setting your device supports?<br>Which wattage or temperature setting are required for testing? | |
| Air Inlet Location: | Where is the air inlet located on the device? | |
| Air Flow Settings: | If adjustable air holes are present on the device, what are the ventilation setting (i.e. ventilation 100% open) | |
| Device Angle | Is there an optimal angle the device should be held during use? | |
| Charging Method/Frequency of Charging | What is the length of charging time for a full charge?<br>Where are the indicators on the device that signal a full-charge?<br>What is the charging frequency required for the device?<br>(i.e. recharge after every puff block per replicate or no recharging over the life of the pod) | |
| Cartridge / Pod Fill Volume: | What is the fill volume in grams or mL of the cartridge? | |
| Additional Instructions: | | |
| Device Instructions: | | |