

Harmony Pen – Cartridge eLiquid Mint

Product description: Liquid inside Harmony Pen Cartridge – Mint
Batch No.: PQ001
Composition: Cannabidiol, Propane-1,2-diol 80%, Propane-1,2,3-triol 20%, flavouring
Date of manufacture: 2018-02-16
Expiration date: 2019-07-16
Storage/handling: Keep cool (room temperature < 25 °C), protect from light, excessive heat or moisture.

Organoleptic test results

Parameter	Standard	Results
Appearance	Characteristic	Complies
Odor	Characteristic	Complies

Test methods: Visual inspection / Organoleptic

Nicotine

Substance	Symbol	Results	Detection Limit
Nicotine	Nicotine	Not Detected	0.1µg/ml

Test method: HPLC-MS

Cannabinoids

Cannabinoid	Symbol	Results	Detection Limit
Cannabidiol	CBD	102.71 mg/g*	-
Cannabidiolic acid	CBDA	Not Detected	0.0085 mg/g
Δ-9-THC	THC	Not Detected	0.0033 mg/g
Tetrahydrocannabinolic acid	THCA	Not Detected	0.0041 mg/g

Test method: HPLC-MS (SOP 16.02)

**allowed deviation ± 10%.*

Heavy metal analysis

Element	Symbol	Detection Limit	Standard	Results	Method
Arsenic	As	0.05 µg/mL	Not Detectable	Complies	ICP
Cadmium	Cd	0.005 µg/mL	Not Detectable	Complies	ICP
Chromium	Cr	0.05 µg/mL	Not Detectable	Complies	ICP
Mercury	Hg	0.0001 µg/mL	Not Detectable	Complies	AAS
Nickel	Ni	0.05 µg/mL	Not Detectable	Complies	ICP
Lead	Pb	0.05 µg/mL	Not Detectable	Complies	ICP

Mycotoxins			
Parameter	Detection Limit	Standard	Results
Aflatoxins B1+B2+G1+G2	0.4 ppb	Not Detectable	Complies
Aflatoxin B1	0.1 ppb	Not Detectable	Complies
Aflatoxin B2	0.1 ppb	Not Detectable	Complies
Aflatoxin G1	0.1 ppb	Not Detectable	Complies
Aflatoxin G2	0.1 ppb	Not Detectable	Complies
Ochratoxin A	0.3 ppb	Not Detectable	Complies

Test method: HPLC/FLD (Liquid Chromatography with Fluorescence Detector)

Pesticides				
Parameter	Detection Limit	Standard	Results	Method
Bifenthrin	5 ppb	Not Detectable	Complies	GC-ECD
Deltamethrin	5 ppb	Not Detectable	Complies	GC-ECD
Fenpropathrin	8 ppb	Not Detectable	Complies	GC-ECD
Permethrin	10 ppb	Not Detectable	Complies	GC-ECD
Cyfluthrin	5 ppb	Not Detectable	Complies	GC-ECD
Cypermethrin	5 ppb	Not Detectable	Complies	GC-ECD
Diazinon	3 ppb	Not Detectable	Complies	GC-NPD
Malathion	5 ppb	Not Detectable	Complies	GC-NPD
Carbaryl	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Boscalid	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Trifloxystrobin	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Spinosad	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Fenoxycarb	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Paclobutrazol	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Myclobutanil	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Metalaxyl	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Resmethrin	10 ppb	Not Detectable	Complies	HPLC-MS/MS
Abamectin	5 ppb	Not Detectable	Complies	HPLC-MS/MS
Imazalil	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Imidacloprid	2 ppb	Not Detectable	Complies	HPLC-MS/MS
Azoxystrobin	2 ppb	Not Detectable	Complies	HPLC-MS/MS

Microbiological results				
Parameter	Detection Limit	Standard	Results	Method
Total Count	< 1 KTJ/mL	Not Detectable	Complies	MIB 09
Yeasts	< 1 KTJ/mL	Not Detectable	Complies	MIB 14
Molds	< 1 KTJ/mL	Not Detectable	Complies	MIB 14

Screening of organic compounds in the e-liquid

Test method: GC Screening (SOPN 40).

Identified propylene glycol, glycerol and flavouring compounds. No traces of extraction solvents found.
No harmful substances (nitrosamines, pesticides, aromatic carbohydrates, polycyclic aromatic carbohydrates etc.).

Screening of organic compounds in the aerosol („vapor“)

Test methods: Simulated vaping, aerosol analyzed by GC-MS

Identified propylene glycol, glycerol and flavouring compounds. No products of burning (acetaldehyde, formaldehyde, acrolein etc.) or harmful flavoring components (diacetyl, acetoin, acetyl propionyl etc.) detected.