



hallanalytical

a Crawford Scientific company

## **CERTIFICATE OF ANALYSIS**

### **Hardware Testing**

### **Blueberry 18mg/ml 1.5ml**

<b>Hall Study Reference</b>	<b>HAL17-633-1</b>
<b>Sample Description</b>	<b>Vaping Hardware</b>
<b>Submitting Client</b>	<b>Darren Haley/E-Burn</b>
<b>Client Reference</b>	<b>-</b>
<b>Date of Certificate</b>	<b>23<sup>rd</sup> November 2017</b>

**Sample analysed using validated in-house methodologies.**

**Metals analysis sub-contracted to a specialist lab.**

**For the Attention of:**

**E-Burn  
Botley Mills  
Mill Hill  
Botley  
Southampton  
SO30 2GB**

**Authorised on behalf of Hall Analytical Laboratories Ltd**

**N. Ordsmith**

**Sample Identification – Device**

Hall ID	Device	Power
H74339	Blueberry 18mg/ml 1.5ml	N/A

**Nicotine Dose Consistency**

Dose N <sup>o</sup>	Concentration (mg/puff)
1	0.048
2	0.035
3	0.046
Mean	0.043
SD	0.007
%RSD	16.2

**Targeted Carbonyls**

Analyte	Concentration (µg/puff)
Formaldehyde	<0.1
Acetaldehyde	<0.1
Acrolein	<0.1
Crotonaldehyde	<0.1
Diacetyl	<0.1
Acetyl prionyl	<0.1

**Targeted Metals**

Analyte	Concentration (µg/puff)
Aluminium	0.0246
Arsenic	<0.0003
Cadmium	<0.0001
Chromium	<0.0017
Copper	<0.0011
Iron	0.0028
Lead	<0.0038
Mercury	<0.0003
Nickel	<0.0013
Tin	<0.0011

### Note on Reporting Units

Due to the varying amounts of the different analytes observed, the most appropriate reporting units have been chosen pertinent to each analysis.

For clarification;

1g ≡ 1000mg

1mg ≡ 1000μg

1μg ≡ 1000ng

Where a value is reported as less than a specified value ('<'), the result obtained was below the method Limit of Detection (LOD) or Limit of Quantitation (LOQ).