

Happy Vibes International Corporation Ltd
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 No 8, Wang Kwong Road, Kowloon,
 Hong Kong

28th March 2023

Certificate of Conformance
Disposable 2ml Tank TPD Testing & Compliance
For Happy Vibes Twist – TPD-HAP-0001

This document confirms that ADACT Medical Ltd has undertaken testing of the stated single use device(s). ADACT Medical Ltd has assessed the disclosed products to the standards laid out below.

2ml Tank Capacity Testing

The 2ml e-cigarette tank capacity test enables businesses to demonstrate their e-liquid devices comply with MHRA regulations. The MHRA is responsible for implementing the majority of provisions under Part 6 of the Tobacco and Related Products Regulations 2016 (TRPR), as amended. The TRPR introduced rules that restrict e-cigarette tanks to a capacity of no more than 2ml.

Vaping businesses have used the 2ml tank test to successfully respond to queries from Trading Standards.

The Methodology

The devices have been assessed for tank capacity in a process that involves extracting the e-liquid, washing all the internal components from the device (excluding battery), then drying in an oven at 100°C. The weights before and after extraction are measured and the difference is calculated to determine the e-liquid weight. The weight is then converted to volume using the known densities of a 1:1 mixture of vegetable glycerine and propylene glycol. All weights are accurate to 4 decimal places using an analytical balance that is routinely calibrated to relevant standards.

We report tank capacity for the filter pad to meet the requirements of the 2ml regulation, and a supporting tank capacity result for the total device to address all other components in the device.

It is the professional opinion of ADACT Medical a variance of +/-10 percent would be acceptable in monitoring the device's tank capacity, and therefore a result of 1.8ml to 2.2ml would be deemed as compliant.

Sample No	Sample ID	Tank Capacity/ml*	
		Total Device	Filter Pad
TPD-HAP-0001	Happy Vibes Twist – Blueberry Sour Raspberry 20mg	2.1167	2.1234

Checked and authorised by



Damien Bové BSc (Sci. Hons), MSc (Sci. Open), ICR
 Chief Regulatory Officer



ISO/IEC 17025:2017



Accreditation number: 106599
 Certificate number: L22-377

