



## Certificate of analyses / Quality statement

**Kit name:** Teslacigs P226 Kit  
**Atomizer:** Teslacigs Tind Tank  
**Mod:** Teslacigs P226 Mod  
**Coil:** Teslacigs TS-X3 0.17 Ohm  
**E-liquid:** ZAZO Z01016008  
**Testing Period:** 01.07.19 - 15.07.2019

Test procedures / References

### Sampling

- Machine for e-cigarettes aerosol generation and recording for routine analysis terms and standard conditions (draft DIN Standards Committee for Food and Agricultural Products NA057-04-01-05 AK)
- Preparations for inhalation, aerodynamic assessment (PharmEur 2.9.18)

### Analytics

- Determination of aldehydes and ketones in air via reaction with 2,4-dinitrophenylhydrazine, separation and detection of the derivative method developed by Waters
- Determination of nicotine content by HPLC / UV method , method developed by BioChem Laboratory for biological and chemical analytics
- Determination of metals by AAS/GTT, method developed by Techpharm GmbH or ICP/MS DIN EN ISO 17294-2 / DIN 38406-1

In accordance with DIN-EN-ISO 9001: 2015 and 17025: 2005 samples were taken and tested by qualified laboratories by GMP conditions.

Results correspond with expected values

15.07.2019

  
Head of Quality Control



Test item	Expected value	Results	Evaluation
Setting e-cigarette			
1. Resistance (Ohm)	0,17	0,17	corresponds
2. Wattage (W)	75	75	
3. Airflow	Fully opened	Fully opened	
Setting sample			
1. Puff duration	2 sec +/- 0,1	2	corresponds
2. Puff frequency	2/minute	2	
3. Number of puffs	60	60	
4. Negative pressure	200mbar	200 mbar	
Nicotine content *1			
1. Volume e-liquid puffed/60 puffs	Min. 0,2 ml	1,9	Corresponds
2. mg Nicotine/10ml puffed*2	Minimum 10% = 16 mg	81 % (130g)	
3. mg Nicotine/60 puffs*3		24,4	
Aldehyde + Ketone-Emissions*4	(MAK mg/m3) -> µg /60 puffs		
1. Formaldehyde	(0,370) < 83	10,8	corresponds
2. Acetaldehyde	(91) < 20.475	6,9	
3. Acroleine	(0,25) -> < 56	< 0,1	
4. Acetone	(1200) -> 270.000	< 0,1	
5. Others (Propionaldehyd, Crontonaldehyd, ...)	Single value < 50	8,5	
Metal-Emissions*5	Mcg/60puffs*6		
1. Cr (Chromium)	2,9	7,5*	corresponds
2. Ni (Nickel)	6,0	0,4	
3. AS (Arsenic)	1,9	< 0,05	
4. Cd (Cadmium)	3,4	< 0,01	
5. Hg (Mercury)	1,2	< 0,01	
6. PB (Lead)	5,0	0,1	

\*1: E-Cigarette working group discussion paper on submission of notification under article 20 of Directive 2014/40/EU Chapter 4

\*2: Nicotine dose in total by inhalation content of 10ml e-liquid under standard conditions

\*3: Nicotine uptake of standard smoker smoking 6 cigarettes (10 puffs/cigarette)

\*4: E-Cigarette working group discussion paper on submission of notification under article 20 of Directive 2014/40/EU Chapter 6.

Calculation expected value: MAK-Wert (mcg/m3) \*0,225 (=breath volume puff duration 60 puffs= 30 minutes)

\*5: E-Cigarette working group discussion paper on submission of notification under article 20 of Directive 2014/40/EU Chapter 3 e-cigarettes/ Chapter 6 e-liquids

\*6: Inhalation maximum/day according Guideline for Elemental Impurities Draft 23.Juli.2013 Appendix 2, Table 2.1

Appendix 1: Method for Establishing Exposure Limits: 841: PDE = 1 mg/kg/day x 50 kg/[1 x 10 x 10 x 1 x 10] = 0.05 mg/day = 50 µg/day -> safety level = 1000- safety level 100 can be accepted



### Picture of tested device



Teslacigs P226 Kit