

电子烟测试服务

E-cigarette Testing Service



中国最早的第三方专业检测和评价服务提供商之一

电子烟第三方专业化学测试服务提供商

2010年开始提供烟油化学安全测试服务 您值得信赖的质量管控合作伙伴

One of earliest 3rd party professional testing service supplier in China

Your reliable partner for chemical safety testing and evaluation

E-cigarette test service since 2010



广东天鉴检测技术服务股份有限公司

Skyte Testing Services Guangdong Co., Ltd.

关于我们

About Us

广东天鉴检测技术服务股份有限公司简称“天鉴检测”，英文简称“SKYTE”，证券代码：870559。公司于2004年成立，总部位于深圳，实验室面积近3000平米，具有CNAS、CMA资质认可证书，检测报告具有国际公信力！天鉴检测国内首创一站式电子烟检测服务，从烟油烟雾的检测到电子烟配件RoHS检测以及欧盟TPD注册咨询服务，帮助电子烟厂商开拓欧美市场！天鉴检测，公正品质！

SKYTE Testing Services Guangdong Co., Ltd, "SKYTE" for short, its stock code is 870559. Our company was established in 2004 with the headquarter in Shenzhen, with the laboratory area nearly 3000 m², certified with the CNAS, CMA qualification certificates, the test reports issued by SKYTE have the international credibility!

SKYTE is the first lab in China which can offer one-stop technical service for e-cigarettes product, from the test for e-liquid, emission, to the ROHS compliant and TPD registration/consulting services for accessories of e-cigarettes, we are the strong backup to support e-cigarette factories to develop EU and American market.

资质证书 Certificates



走进天鉴



公司前台
Reception

多媒体会议室
Multimedia Conference Room

荣誉墙
The wall of honor



文化走廊
Corridor

会议室
Conference room

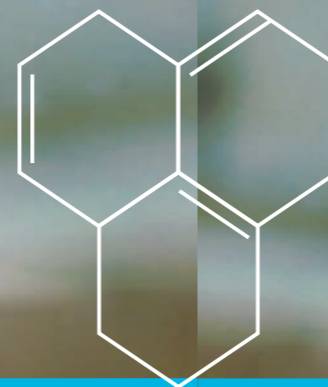


办公区
Office Area

实验室办公区
Laboratory office area



实验区
Laboratory Area



—欧盟TPD指令关于电子烟内容详解

欧盟烟草指令TPD (2014/40/EC)于2014年5月生效，至今2年的过渡期已结束。欧盟各成员国已于去年5月份完成并实施新指令有关的法律程序。现已对所有进入欧盟市场的新型烟草制品实施管控。出口到欧盟市场的电子烟产品必须符合TPD指令的要求，否则会禁售、罚没或者退回，这将会给电子烟厂商带来巨大的损失。因此，如何让电子烟产品符合欧盟TPD指令以避免损失成了厂商必须要面对的问题。本文就欧盟TPD指令中电子烟相关问题详细解读。

欧盟TPD指令关于电子烟修订内容：

一、产品电子通告应包含的主要内容：

1. 制造商名称和联系方式
2. 成分清单及释放物含量
3. 毒理学数据
4. 尼古丁剂量摄入量信息
5. 产品组成和生产过程描述
6. 产品质量和安全负责的声明

二、烟油与贮液器的要求：

含有尼古丁的烟油仅在专业的填充器内投放市场，且填充容器的体积不超过10mL，在一次性电子烟或单次使用的烟弹中，烟弹或贮液器的体积不得超过2mL。

三、尼古丁的相关要求：

1. 含有尼古丁的烟油中，尼古丁含量不得超过20mg/mL；
2. 在正常使用条件下，电子烟的尼古丁释放量应维持在稳定水平；

四、电子烟申请TPD注册前文件准备：

1. 生产流程文件
2. 释放物测试报告
3. 尼古丁释放量一致性检测方法
4. 可填充雾化器open&refill说明

注：天鉴检测可提供电子烟整套测试解决方案。

五、注册流程概述(欧盟TPD)

1. 注册(ECAS)网址：

<https://webgate.ec.europa.eu/cas/eim/external/register.cgi>

2. 申请Submitter ID。
3. 表格submitterid_registtatingform_en填写并提交审核(约10个工作日完成)。
4. 注册完成后以邮件方式通知管理员，说明ID注册成功，申请party identifier。
5. 成功之后，下载和安装XML文件生成器，选择不同国家分别进行提供资料，填写产品相关信息。
6. 登录账户开通信息平台(EU—CEG)填写信息，上传附件。
7. 各成员国收到通告后会发送invoice给申请人，申请人付费，等待审核结果。

我们可以提供以下测试服务：

1. 电子烟释放物(Emission)成分测试
2. 电子烟烟油成分分析测试
3. 电子烟欧盟注册咨询服务
4. 电子烟食品接触材料(FCM)测试
5. 电子烟成品欧盟RoHS、REACH等法规测试。

—Details of EU Tobacco products Directive (TPD) on electronic cigarettes

The EU Directive (2014/40/EU) came into effect in May, 2014. Till now, the transition period of two years has passed. All EU member states have completed and implemented the legal process about the Directive in May last year. now all new tobacco products will be regulated when they are placed on EU market. The E-cigarettes that exported to the EU market must meet the requirements of the TPD, otherwise, it will be banned, fined or returned, which will bring huge losses to E-cigarette manufacturers. Therefore, how to make E-cigarettes in line with the EU TPD to avoid losses has become a problem that manufacturers must face to. This article will give a detailed interpretation of the EU Directive about E-cigarettes.

The revision of EU TPD directive on electronic cigarette:

Part 1: The notification shall, depending on whether the product is an electronic cigarette or a refill container, contain the following information

1. Manufacturer's name and contact information.
2. A list of all ingredients contained in, and emissions resulting from the use of, the product, by brand name and type, including quantities.
3. Toxicological data regarding the product's ingredients and emissions.
4. Information on Nicotine doses and uptake when consumed under normal or reasonably foreseeable condition;
5. The description of product composition and production process.
6. A declaration that the manufacturer and importer bear full responsibility for the quality and safety of the product, when placed on the market and used under normal or reasonably foreseeable conditions.

Part 2: Requirements for refill containers and tanks
Nicotine-containing liquid is only placed on the market in dedicated refill containers not exceeding a volume of 10 ml, in disposable electronic cigarettes or in single use cartridges and that the cartridges or tanks do not exceed a volume of 2 ml;

Part 3: The requirements of nicotine
1. The nicotine-containing liquid does not contain nicotine in excess of 20 mg/ml;
2. Electronic cigarettes deliver the nicotine doses at consistent levels under normal conditions of use;

Part 4: The file preparation before the E- cigarette apply for the TPD registration

1. Production manufacturing workflow.

2. Emission test report.
3. Nicotine doses test method.
4. instruction of refillable atomizer.

Note: The Skyte can provide a complete solution for electronic cigarettes tests.

Part 5: Overview of the registration process

1. Create an ECAS account by the website:<https://webgate.ec.europa.eu/cas/eim/external/register.cgi>
2. Apply for a submitter ID.
3. Download and fill in the form 'submitterid_registtatingform_en', then submit the form(It needs about 10 working days.)
4. After the registration is completed, notify the administrator by mail to apply for creating party identifier.
5. Download and install the tpd-xml-creator-tool, running it and choosing different countries to submit product information .
6. Login your EU-CEG account to fill in the information and upload attachments.
7. EU state members will send invoice to submitters after notification received, submitters need pay fees accordingly and wait for results.

Below is the services Skyte can provide:

1. Emission of e-cigarette test.
2. Ingredient of E-liquid analysis.
3. Advisory services of registration for TPD.
4. Food contact material (FCM) test for e-cigarette.
5. RoHS, REACH and other regulations test for e-cigarette.

电子烟检测一站式服务

天鉴检测是国内最早进行电子烟检测的独立第三方检测机构之一，拥有强大的技术研发团队，配备先进的检测仪器。与全球最具影响力的电子烟品牌有着良好的合作关系。我司针对电子烟油开发的检测方法已经通过了中国合格评定国家认可委员会(CNAS)的认可，出具的报告在国际上得到广泛认可。

Skyte is one of the earliest independent third party in electronic cigarette test field. It has a strong technical research and development team, equipped with advanced equipments, and keeps good cooperation with the world's most influential electronic cigarette manufacturers. The In-house method developed by Skyte for E-liquid test has been accredited by CNAS(China National Accreditation Service for Conformity Assessment), The report issued by Skyte is widely accepted internationally.

电子烟油常规测试项目

Normal Test Item for E-liquid

测试项目 Test Item	测试方法 Test Method
丙二醇 Propylene glycol	C-F&C-1420-TP 烟油中丙二醇和甘油含量的测定
甘油 Vegetable glycerin	C-F&C-1420-TP 烟油中丙二醇和甘油含量的测定
尼古丁 Nicotine	C-F&C-1419-TP Nicotine free 烟油中尼古丁含量的测定
二甘醇 Diethylene glycol	C-F&C-1417-TP 烟油中二甘醇含量的测定
亚硝胺 Nitrosamines	C-F&C-1418-TP 烟油中邻苯二甲酸酯、亚硝胺含量的测定
双乙酰(2,3-丁二酮) Diacetyl	C-F&C-1421-TP 烟油中2,3-丁二酮含量的测定
邻苯二甲酸盐 Phthalates(17p)	C-F&C-1418-TP 烟油中邻苯二甲酸酯、亚硝胺含量的测定
重金属 Heavy metal(As,Pb,Hg,Cr,Ni,Cd etc)	C-F&C-1423-TP 烟油中可溶性重金属含量的测定.

▲ 以上检测方法均通过CNAS认可
All of above test methods are accredited by CNAS

电子烟成品常规测试项目

Normal Test Item for E-cigarette

测试部位 Test Component	测试项目 Test Item
完整产品 Whole Product	ROHS,REACH SVHC
与烟油及口部接触材料 Material in contact with mouth and E-liquids	FDA,(EU)NO.10/2011,LFGB

One-stop service for E-cigarette test

天鉴检测针对电子烟释放物有害成分分析，采用客户广泛接受的国际标准，率先开发出了一站式的测试方案，帮助电子烟厂商开拓欧美市场。

For the analysis of emission of electronic cigarettes, Skyte adopt the international standards and has developed one-stop service for clients. supporting e-cigarette factories to develop EU and American market.

电子烟雾测试项目

E-cigarette Emission Test Item

测试项目 Test Item	测试方法 Test Method
尼古丁 Nicotine	AFNOR XP D90-300-3 Annex A.3
PG和VG杂质(乙二醇、二甘醇) Impurities in PG and VG(Ethylene glycol, diethylene glycol)	Tobacco Science &Technology (Oct. 2015Vol. 48 No. 10)
醛酮类(甲醛、乙醛、丙烯醛、巴豆醛) Carbonyls(formaldehyde, acetaldehyde, acrogenic, crotonaldehyde)	AFNOR XP D90-300-3 Annex A.5
亚硝胺(NNN,N-亚硝基降烟碱、NNK,1-(3-吡啶基)-1, 丁酮) TSNA(NNN、NNK)	CORESTA RECOMMENDED METHOD N°72
重金属(Cd,Cr,Cu,Pb,Ni,As) Trace metals(Cd,Cr,Cu,Pb,Ni,As)	AFNOR XP D90-300-3 Annex A.6
VOC(苯, 甲苯, 1,3-丁二烯及其同分异构体) VOC(toluene, benzene, 1,3-Butadiene, isoprene)	CORESTA RECOMMENDED METHOD N°70
双乙酰, 2, 3-戊二酮 Diacetyl, 2,3- Pentanedione	AFNOR XP D90-300-3 Annex A.4

相关仪器

Instruments For Emission Test





地址：深圳市宝安区67区留仙一路甲岸科技园1栋7楼

Add: 7/F, Bldg 1, Jia'an Hi-Tech Industrial Park, 1st Liuxian Road,
Block 67, Bao'an District, Shenzhen, P.R.C.

热线 (Hotline) : 400-6898-200 电话 (Tel) : +86 755 3323 9933

传真 (Fax) : +86 755 2672 7113 邮箱 (E-mail) : service@skyte.com.cn

网址 (Website) : www.skyte.com.cn