

SCOOP

THE LATEST TRENDS, SERVICES & PROMOTIONS

INDUSTRIAL SERVICES, SGS HONG KONG

2020年3月

SGS 中央空調及室內環境檢測計劃

室內空氣問題

公共衛生安全及防疫控制，已經是現時世界上最受關注的健康議題之一。

事實上，店鋪、酒店、商場、辦公室、學校等都屬於人流密集的密閉空間，是最容易傳播病毒。據美國勞工部研究發現室內空氣品質問題當中，52%來源於通風不足。公共場所的通風主要靠建築物內通風系統和中央空調出風過濾機組，足夠的新風量和空調系統的過濾能力可以保障有害物質被有效處理，確保建築物達到安全和舒適的室內空氣品質。

確保場地符合相關的衛生要求

SGS 中央空調及室內環境檢測計劃，能幫助檢測空氣中的有害物質，保證建築室內空氣品質的安全和舒適度，及確保場地有符合要求的衛生控制策略及行動，從而提高公眾對場地的空氣及環境衛生之信心。

SGS 專業實驗室擁有一套先進的可攜式採樣測試設備，集合各種參數檢測，並通過不同的測試探頭，可以**快速而準確地完成通風系統和室內環境各項參數的測試。**

SGS 能夠幫您檢測：

基本項目： 室內空氣 質量檢測	<ul style="list-style-type: none">空氣中細菌可吸入懸浮粒子二氧化碳	在設有空調的樓宇內，所產生的有害細菌會透過通風程序再散佈到室內；可吸入懸浮粒子（PM10），可帶有細菌病毒等微生物；然而二氧化碳的水平反映新鮮空氣清新度，充足的新鮮空氣可淡化室內污染物濃度；
進階項目： 室內空氣 消毒監控	<ul style="list-style-type: none">甲醛臭氧總揮發性有機化合物	殺菌劑、清潔劑、殺蟲劑的成份、或消毒設備如紫外光等，均有機會釋出空氣污染物。密切監測可幫助制定有效而安全的衛生管理方案；
建議項目： 公共設施 衛生檢測	<ul style="list-style-type: none">表面總菌量表面霉菌量	了解公共設施的衛生或潔淨情況，如電梯扶手帶、升降機板面、兒童遊樂設施等。結果可用作清潔/消毒工作前後對比，制定內部指引或驗收標準。



FOR ENQUIRIES

香港

Mr. Horace Fan
t +852 2765 3554
f +852 2303 1184
m +852 6767 7997/ +86 15012 539164
e horace.fan@sgs.com

香港

工業服務
t +852 2765 3554
e hk.indiv@sgs.com

©2020 SGS. All rights reserved. Information contained herein is provided "as is" and SGS does not warrant that it will be error-free or meet any particular criteria of performance or quality. Do not quote or refer any information herein without SGS' prior written consent. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



SCOOP

THE LATEST TRENDS, SERVICES & PROMOTIONS

INDUSTRIAL SERVICES, SGS HONG KONG

March, 2020

SGS CENTRAL AIR CONDITIONING AND INDOOR ENVIRONMENT TESTING PROGRAM

BACKGROUND

Public health safety and epidemic prevention control has become one of the most concerned topics in the world.

In fact, shopping malls, hotels, offices, schools, and so on are all confined and crowded spaces and are most likely to spread viruses. According to the US Department of Labor research, **52% of indoor air quality problems are caused by insufficient ventilation.** Ventilation in public places mainly depends on ventilation systems in buildings and central air-conditioning air filter units. A sufficient level of fresh air volume and filtering capacities of the air-conditioning systems can ensure that harmful substances are effectively processed, helping to meet the safety and comfort level of indoor air quality in buildings.

Therefore, a place delivering a good hygiene performance for shopping, business activities, and tourism has become the first choice for everyone.

SGS central air conditioning and indoor environment testing program can help detect harmful substances in the air, ensure the safety and comfort level of indoor air quality in buildings, and show that the site has the required sanitary control strategies and actions in place. Therefore, the program can improve the air and environmental hygiene on the site. **Our service scope includes:**

Indoor Air Quality (Hygiene)	<ul style="list-style-type: none">Airborne BacteriaRespirable Suspended Particulates (RSP)Carbon Dioxide (CO₂)	In air-conditioned buildings, harmful bacteria are dispersed through the ventilation process. Airborne particles could be microbial particulates. Hence, under IAQ management, CO ₂ concentration is commonly adopted as a surrogate in measuring air freshness.
Disinfectant IAQ Monitoring	<ul style="list-style-type: none">Formaldehyde (HCHO)Ozone (O₃)Total Volatile Organic Compounds (TVOC)	Ingredients of cleaning agent, deodorant, insecticide, disinfection agent and equipment like UV, may contribute to air pollutants impact on IAQ management. Close monitoring could support establishing an effective and healthy hygiene protocol.
Hygiene Test for Public Facilities	<ul style="list-style-type: none">Total Bacteria Count (Swab test)Yeast and Mould (Swab test)	The hygiene test is to evaluate bacteria level on facilities surface at public place like escalator handrail, elevator panel, children playground and so on. Results can be used for comparing between "Before" and "After" routine cleaning or when a new sanitary protocol is adopted.



FOR ENQUIRIES

HONG KONG

Mr. Horace Fan
t +852 2765 3554
f +852 2303 1184
m +852 6767 7997/ +86 15012 539164
e horace.fan@sgs.com

HONG KONG

Industrial Services
t +852 2765 3554
e hk.indiv@sgs.com

©2020 SGS. All rights reserved. Information contained herein is provided "as is" and SGS does not warrant that it will be error-free or meet any particular criteria of performance or quality. Do not quote or refer any information herein without SGS' prior written consent. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.