

## TEST REPORT

Company: Quoview Technology Inc  
1F., No.646-1, Sec. 5, Chongxin Rd.,  
Sanchong Dist., New Taipei City 241,  
Taiwan (R.O.C.)  
Number: HKGC0000745001  
Date: Dec 08, 2017

Attn: Kevin Kuo

Item Name : Air Purifier  
Model No. : LAIFSK2, LAIFSK2-XXXXXX, LAIFST, LAIFST-001,  
LAIFST-XXXXXX, LAIFSU, LAIFSU-XXXXXX, LAIFSU2,  
LAIFSU2-XXXXXX, LAIFEV, LAIFEV-050502,  
LAIFEV-XXXXXX  
Brand Name : LightAir, LifeAir  
Rated Voltage : 100-240V~50/60Hz, 0.4A  
Output: 12VDC, 1000mA  
Manufacturer : Sino Vantage Industrial Ltd.  
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Tests conducted:  
As requested by the applicant, refer to attached page(s) for details.  
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Conclusion:  
The submitted sample was tested under the following requirements requested by the applicant, subject to the information  
stated in the remark and attached page(s) for details :

Requirement	Result
RoHS Directive (2011/65/EU)	Pass
- Screening by XRF Spectroscopy and Chemical Confirmation Test	

Remark :  
Chemical confirmation tests were conducted to verify the inconclusive results, Lead (Pb), Cadmium (Cd),  
Chromium (VI) ( $\text{Cr}^{6+}$ ), Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) content.  
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To be continued

For and on behalf of :  
Intertek Testing Services HK Ltd.



Ken Chan  
Assistant General Manager



## TEST REPORT

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Screened Components	XRF Results					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(180)	ND	ND	ND	ND	ND	--
(181)	ND	ND	ND	ND	NA	--

**Remark :**

ND = Not Detected  
 NA = Not Applicable  
 D = Detected : Below the lower screening limit of table(B) and pass.  
 ppm = part per million = mg/kg  
 # = Inconclusive

#1 = As confirmed by the client, the Lead content of the component is coming from copper alloy only. According to Annex D of CNS15663, Lead as an alloying element in copper alloy can be containing up to 4% (40,000 ppm) Lead by weight. The lead content result was found below this limit.

#2 = As confirmed by the client, the Lead content of the component is coming from the constituent of ceramic part of the electronic component only. According to Annex D of CNS15663, Lead in electronic ceramic parts of this component can be exempted.

List of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) in chemical confirmation test:

PBBs	PBDEs
Monobromobiphenyl (monoBB)	Monobromodiphenyl ether (MonoBDE)
Dibromobiphenyl (DiBB)	Dibromodiphenyl ether (DiBDE)
Tribromobiphenyl (TriBB)	Tribromodiphenyl ether (TriBDE)
Tetrabromobiphenyl (TetraBB)	Tetrabromodiphenyl ether (TetraBDE)
Pentabromobiphenyl (PentaBB)	Pentabromodiphenyl ether (PentaBDE)
Hexabromobiphenyl (HexaBB)	Hexabromodiphenyl ether (HexaBDE)
Heptabromobiphenyl (HeptaBB)	Heptabromodiphenyl ether (HeptaBDE)
Octabromobiphenyl (OctaBB)	Octabromodiphenyl ether (OctaBDE)
Nonabromobiphenyl (NonaBB)	Nonabromodiphenyl ether (NonaBDE)
Decabromobiphenyl (DecaBB)	Decabromodiphenyl ether (DecaBDE)

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### (D) Test Methods

Testing Item	Testing Method	Reporting Limit
XRF screening	With reference to CNS15050 or IEC 62321-3-1 edition 1.0 : 2013, by X-ray fluorescence spectrometry	Refer to (C)
Cadmium (Cd) Content	With reference to CNS15050 or IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Lead (Pb) Content	With reference to CNS15050 or IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Non-Metal)	With reference to CNS15050 or IEC 62321 edition 1.0 : 2008, by alkaline digestion and determined by UV-VIS spectrophotometer	1 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Metal)	With reference to CNS15050 or IEC 62321-7-1 : 2015, by boiling water extraction and determined by UV-VIS spectrophotometer	0.1 g/cm <sup>2</sup>
Polybrominated Biphenyls (PBBs)& Polybrominated Diphenyl Ethers (PBDEs)	With reference to CNS15050 or IEC 62321-6 : 2015, by solvent extraction and determined by GC/MS.	20 mg/kg

The explanation of Chromium VI (Cr<sup>6+</sup>) analysis result (For Metal)

Colorimetric result	Qualitative result	Explanation
< 0.10 g/cm <sup>2</sup>	Negative	The result of sample is negative for Cr (VI). The sample coating is considered a non-Cr(VI) based coating.
0.10 g/cm <sup>2</sup> and 0.13 g/cm <sup>2</sup>	Inconclusive	The result of sample is considered to be inconclusive. If addition samples are available, recommend to add trials and get the average result for the final determination.
> 0.13 g/cm <sup>2</sup>	Positive	The result of sample is positive for Cr(VI). The sample coating is considered to contain Cr(VI). A result expresses as positive, while not an actual value, which indicates a visual observation was used.

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CERTIFICATE REFERENCE: LAIFSJ2 / LAIFEV-050502

COUNTRY OF ORIGIN:  
Assembled and manufactured in China.

THE MANUFACTURER OF THIS PRODUCT IS  
CERTIFIED ACCORDING TO ISO 9001, ISO 14001

This air cleaner complies with  
the federal ozone  
emissions limit.  
**ARB CERTIFIED**



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