



	Test Result	Expected	Remark & Comment
1). HCoV-229E Testing (Guangdong Detection Center of Microbiology)	Inactivation, 63.04% (1 min. contact time)	~100%	According to international studies & researches, "Photocatalysts" have been proven to inactivate (viruses, bacteria, molds and even prions) in the order of: Viruses>Prions>Bacteria>Molds. Then, why are the "Test Results" of (1-3) differ from their "Expected" so significantly? Reason is: Our "Photocatalyst" liquid consists of only about 3% wt/v. In preparing the "test plate", the liquid was coated onto it, and let dried. Tested "Virus" solution was applied onto the dried plate, for 1 minute as contact time, then tested. The resulting dried plate may contain ~60-70% of the Photocatalyst. Adding up the mentioned assumption, it is apparent that values in "Expected" should be more trustworthy.
2). H1N1 Flu Virus Testing (Guangdong Detection Center of Microbiology)	Inactivation, 69.97% (1 min. contact time)	~100%	
3). H3N2 Flu Virus Testing (Guangdong Detection Center of Microbiology)	Inactivation, 69.31% (1 min. contact time)	~100%	
4). Non-Irritation Testing (SGS)	Non-Irritating		"Test Result" and "Expected" are pretty much agreed with each other. Not much to dispute about.
5). Non-Toxic Testing (SGS)	Non-Toxic		
6). Anti-Bacterial Testing <i>Escherichia coli</i> <i>Staphylococcus aureus</i> (Guangdong Detection Center of Microbiology)	>99% >99%	~100% ~100%	
7). Air Purifier Performance Testing	Reduction Rate		
Formaldehyde (60 mins.run-time)	81%	81%	
Ammonia (60 mins.run-time)	95%	95%	
Hydrogen Sulphide (60 mins.run-time)	81%	81%	
Benzene (60 mins.run-time) (CMA Testing, Hong Kong)	14%	14%	

