

Wellisair: Efficiency against Volatile Organic Compound (VOC)

Test report (n° 026961): April 1st, 2016 Korea Conformity Laboratories (KCL).

Scope: measure the effectiveness of the Wellisair for the deodorization of most important Volatile Organic Compound (VOC).

Procedure:

- Test Mode: S/W On (Rated Air Flow Rate)
- Gas Analyser: Gas detector tube Gastec CV-100
- Test Method: Test chamber of 1m³ for 4 hours
- Test Conditions: 20°C 45% R.H.



Results:

Deodorization Rate Reduction (%)			
VOC Time	Ammonia (NH ₃)	Toluene (C ₆ H ₅ CH ₃)	Formaldehyde (HCHO)
1h	30%	60%	25%
2h	50%	>99,5%	40%
3h	65%	>99,5%	55%
4h	80%	>99,5%	65%

Conclusions: Wellisair air disinfection had a deodorization rate of 80% for the Ammonia and of 65% for the Formaldehyde after 4 hours of treatment. The deodorization rate was greater than of 99,5% for the Toluene in only 2 hours.