

CERTIFICATE OF COMPLIANCE



Roland DG

Eco-Sol MAX 3

Restrictions: Certified for Signage Applications

70664-410

Certificate Number

04/12/2013 - 04/12/2017

Certificate Period

Certified

Status

UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Decorative Display applications are determined compliant using an Office Environment with an air change of 0.68 hr^{-1} and a loading of 3.00 m^2 .

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.



Environment

GREENGUARD Certification Criteria for Building Products and Interior Finishes

| Criteria | CAS Number | Maximum Allowable Predicted Concentration | Units |
|--|------------|---|-------------------|
| TVOC ^(A) | - | 0.50 | mg/m ³ |
| Formaldehyde | 50-00-0 | 61.3 (50 ppb) | µg/m ³ |
| Total Aldehydes ^(B) | - | 0.10 | ppm |
| Particle Matter less than 10 µm ^(C) | - | 50 | µg/m ³ |
| 4-Phenylcyclohexene | 4994-16-5 | 6.5 | µg/m ³ |
| Individual VOCs ^(D) | - | 1/10th TLV | - |

- (A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.
- (D) Allowable levels for chemicals not listed are derived from 1/10th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



Environment