



June 12, 2018

Certification of Non-use of Hazardous Substances

Greenliant Systems, Ltd. (Greenliant) hereby certifies that all parts currently manufactured by or on behalf of Greenliant are fully compliant with Directive 2015/863/EU of the European Parliament and of the Council of 31 March 2015, as well as other internationally recognized and widely accepted corporate and governmental environmental standards. In addition, Greenliant certifies that all package and packing material used for delivery of Greenliant products meet the same requirements.

The table below is an abbreviated list of the most common banned substances and their limits.

<u>Substance</u>	<u>Limit</u>
Lead and its compounds	100 ppm plastics
Mercury and its compounds	50 ppm
Cadmium or cadmium compounds	5 ppm plastics
Hexavalent Chromium and its compounds	500 ppm
Poly Brominated Biphenyls (PBB)	1000 ppm
Poly Brominated Diphenyl Ethers (PBDE)	1000 ppm *
Hexabromocyclododecane (HBCDD)	1000 ppm
Bis(2-Ethylhexyl) phthalate (DEHP)	1000 ppm
Benzyl butyl phthalate (BBP)	1000 ppm
Dibutyl phthalate (DBP)	1000 ppm
Diisobutyl phthalate (DIBP)	1000 ppm
Other Bromines (including TBBPA)	900 ppm
Chlorines (including SCCP, PCB, PCN, etc.)	900 ppm
Antimony Trioxide	1000 ppm
Red Phosphorus	1000 ppm
PFOS / PFOA	1000 ppm**
Arsenic and its compounds	50 ppm***
Formaldehydes	0.1 ml / m ³
Polyvinyl Chloride (PVC)	No intentional use
Organic Tin compounds	No intentional use
Asbestos and its compounds	No intentional use
Dioxins and other carcinogenic substances	No intentional use
Azo compounds / Aromatic Amines	No intentional use
Radioactive substances	No intentional use
Ozone depleting substances	No intentional use

* Includes Deca-BDE

** Exempt from REACH limit requirements when used in photo lithography

***Exempt from REACH limit requirements when used in semiconductor manufacturing (e.g. dopants, substrates, etc.)

Jeff Lin
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