

Toradex Product Compliance Declaration

This document explains the relationship between Toradex semi-finished goods and respective environmental and safety standards. Compliance of Toradex products to the various directives and standards is confirmed where applicable. Toradex will inform their customers in the event of any change to this status or if any additional relevant information becomes available.

CE Marking



CE marking is usually obtained for an end product (finished product). Computer modules and carrier boards are semi-finished goods which form part of a complete end product assembly, and therefore Toradex products are not CE marked.

UL 94



The UL-94 classification is used to distinguish a material's burning characteristics after test specimens have been exposed to a specified test flame under controlled laboratory conditions. Based on the results of these small-scale flame tests the material is assigned one of twelve flame classifications.

All Toradex PCBs comply with UL-94V-0.

RoHS



The RoHS Directive 2011/65/EU (RoHS 2) bans certain materials from use in electrical and electronic equipment ("EEE"). By January 2nd, 2013, all member states of the European Union are required to ensure that new electrical and electronic equipment put on the market does not contain more than the maximum allowed concentration of various substances.

Toradex is committed that all components from 3rd parties used in our products comply with Directive 2011/65/EU (RoHS 2).

We warrant that all products provided by Toradex to customers comply with Directive 2011/65/EU (RoHS 2) and Commission Delegated Directive (EU) 2015/863; aka RoHS 3.

Please be aware that the *RoHS 2 exemptions for the [0034xxx] Apalis TK1 2GB product are in the process of expiration. Please see [here](#) for details.*

RoHS 2 Substance	Concentration
Cadmium (Cd)	max. 100 ppm (0.01 %)
Lead (Pb)	max. 1'000 ppm (0.1 %)
Mercury (Hg)	max. 1'000 ppm (0.1 %)
Hexavalent Chromium (Cr ⁶⁺)	max. 1'000 ppm (0.1 %)
Polybrominated Biphenyls (PBB)	max. 1'000 ppm (0.1 %)
Polybrominated Diphenyl Ether (PBDE)	max. 1'000 ppm (0.1 %)

RoHS 3 Substance	Concentration
Bis(2-ethylhexyl) phthalate (DEHP)	max. 1'000 ppm (0.1 %)
Butyl benzyl phthalate (BBP)	max. 1'000 ppm (0.1 %)
Dibutyl phthalate (DBP)	max. 1'000 ppm (0.1 %)
Diisobutyl phthalate (DIBP)	max. 1'000 ppm (0.1 %)

REACH



REACH is the European Community Regulation on chemicals and their safe use (EC 1907/2006).

Toradex aims to capture all necessary information regarding REACH. Toradex is not aware of any component used on Toradex products which is not in compliance with REACH (EC 1907/2006) and the respective Candidate List of substances of very high concern - SVHC list. This compliancy statement is always in reference to the latest SVHC list in effect and as communicated by the European Chemicals Agency ECHA.

ISO 9001



All Toradex manufacturing partners are ISO 9001 certified. Our products undergo a full functional test after production and are then shipped directly to our warehouses. Toradex has full product traceability in place for each individual product throughout the product lifecycle using unique serial numbers.

Conflict Minerals



Various information channels have made reports of violence and human rights violations in the Democratic Republic of the Congo (DRC) and surrounding countries. Funds generated by mining of certain minerals from these countries support these unacceptable acts.

Such "Conflict Minerals" are commonly used in electronic components and include tantalum, tin, tungsten and gold (3TG).

Toradex is committed to only source minerals from responsible smelters and providing full transparency throughout its supply chain.

However, due to the complexity of today's supply chain it has not been possible to identify each individual source of minerals used in Toradex products. We continuously work with our suppliers to improve supply chain transparency and take action as may be required. Toradex requires all suppliers to support this process by actively identifying and reporting the source and conflict status of the products that they supply.

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