

Claigan - RoHS High Risk Components Table - 2025

1. Summary

- 1.1. This document is intended to be an updated version of the table in Annex B of IEC 62321-2:2021
- 1.2. The risk designations below are based on two (2) years of Claigan Environmental Test data (2023 / 2024) encompassing approximately 100,000 components tested.
- 1.3. The table in Annex B of IEC 62321-2:2021 is identified in the standard as 'indicative' and 'not exhaustive'.
- 1.4. This document is intended to supplement both IEC 62321 testing for EU RoHS, China RoHS, and the planned to be updated IEC 63000 standard for due diligence.
- 1.5. Risk identifiers (RoHS Risk (Y/N))
 - 1.5.1. Y - At least one component of matching this description tested in 2023/2024 was found to be non-compliant for RoHS.
 - 1.5.2. N - No component matching this description tested in 2023/2024 was found to be non-compliant for RoHS.
 - 1.5.3. Ex - No component of matching this description tested in 2023/2024 was found to be non-compliant for RoHS. However, components matching this description were found to use an allowed RoHS exemption.

2. 2025 RoHS Components High Risk Table to Annex B of IEC 62321-2

Part	RoHS Risk (Y/N/E)	Comment
Circuit Board Components		
Connector	Y	
Terminal block	N	
Ribbon cable	Y	
Heat shrink	Y	
Circuit board	N	
Board solder	Y	
Capacitor (non-PVC)	N	
Capacitor (PVC wrap)	Y	
Wire	Y	
Transformer	N	
Light emitting diode	N	
Fuse	Ex	
Potentionmeter	Ex	
Relay	N	
Conformal coatings (circuit board)	N	
Terminal	Y	
Switch	Y	
Tape (non-PVC)	N	
Electrical tape (PVC)	Y	
Thermistor / Varistor	N	
Buzzer	Ex	
Resistor	Ex	
Heat sink	N	
Thermal paste	N	

Thermal pad	N	
Leads	Y	
Springs	Y	
Microchips	N	
Electrical contacts	Ex	
EMC shielding	N	
Standoffs or spacers (metal)	Y	
Standoffs or spacers (plastic)	N	
USB connector	Y	
Ferrite	N	
Inductor	N	
Jumper (non-wire)	N	
Diode	Ex	
PVC sticker	Y	
Paper sticker	N	
Polyester sticker	N	
Mechanical Components		
Metal frame	Y	
Fasteners	Y	
Coloured plastic	Y	
Transparent plastic	Y	
White plastic	N	
Black plastic	Y	
Brass components	Y	
Stainless steel components	N	
Silicone	N	
Paper	N	
Spring	Y	
Non-silicone rubber	Y	

Ink or printing	Y	
Washer	Y	
Nickel plating	Y	
General metal component	Y	Metal component not covered by another listing
Wiring Components		
PVC Wire	Y	
Cable sheath	Y	
Cable connectors	Y	
Strain relief	Y	
Polyethylene wire	N	
Silicone wire	N	
Fluoropolymer wire	N	
Connector pins	Y	
Ferrite	N	
Heat shrink	Y	
Connector sleeve	Y	
Nickel plating	Y	
Miscellaneous		
PVC Tubing	Y	
General rubber tubing	Y	
Silicone tubing	N	
Polyurethane tubing	N	
Fluoropolymer tubing	N	
Neoprene tubing	Y	
PVC / artificial leather fabric	Y	
Neoprene fabric	Y	
Cotton fabric	N	

Polyester fabric	N	
Fabric thread	N	
Open cell foam	Y	
Closed cell foam	N	
Rubber tape (including PVC tape)	Y	
Foam tape	Y	
PTFE tape	N	
Scotch tape	N	
Kapton (orange) tape	N	
Polyester (yellow) tape	N	
Zip tie	N	
Twist tie	Y	
Dust cap (connector)	Y	
Puffy sticker	Y	
Repeat Circuit Board Components		If the first component of its type on a circuit board passed for RoHS
Coaxial connector	Ex	
Solder (board)	N	
Solder (component)	N	
Diode	Ex	
Leads	N	
USB connector	N	
500+ components tested	N	Risk for components in a product after 500 components / materials have been tested in that product. Except for component types that have had a failure in the first 500 tests

Revision History

Revision	Revision Date	Revised For	By
1	Feb 12 2025	2025 version	B. Calder