	<b>Digital Matter Embedded (South Africa)</b>		Doc No:	CM/PR/RoHS
	<b>Yabby Edge LoRaWAN RoHS</b>		Date Created:	19/01/2021
			Revision Date:	19/01/2022
			Date Modified:	18/01/2021
			Rev No:	01
Creator:	Production Engineer	Approved By:	Technical Director	

## Declaration of Conformity EU RoHS



Dear Customer

This document applies to the following devices: Yabby Edge LoRaWAN family


RoHS stands for *Restriction of Hazardous Substances* and impacts any business that sells applicable electrical or electronic products, equipment, sub-assemblies, cables, components, or spare parts directly to RoHS-directed countries, or sells to resellers, distributors or integrators that in turn sell products to these countries.

The original RoHS, also known as Directive 2002/95/EC, originated in the European Union in 2002 and restricts the use of six hazardous materials found in electrical and electronic equipment (EEE). All applicable products in the EU market since July 1, 2006 must pass RoHS compliance.

Related to RoHS is WEEE, which stands for Waste from Electrical and Electronic Equipment. WEEE Directive 2002/96/EC mandates the treatment, recovery and recycling of electric and electronic equipment (90% ends up in landfills). All applicable products in the EU market must pass WEEE compliance.

RoHS 2, or the Recast RoHS 2 Directive 2011/65/EU, was published in July 2011 by the European Commission. And requires additional compliance recordkeeping from everyone in the supply chain. This can include a conformity assessment, CE marking, maintenance of compliance throughout production, and self-reporting of non-compliance.

Directive 2015/863 is known as RoHS 3 and adds four additional restricted substances (phthalates) to the list of six.

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EU RoHS specifies maximum levels for the following 10 restricted substances. The first six applied to the original RoHS while the last four were added under RoHS 3.

1. **Cadmium (Cd):** < 100 ppm
2. **Lead (Pb):** < 1000 ppm
3. **Mercury (Hg):** < 1000 ppm
4. **Hexavalent Chromium: (Cr VI)** < 1000 ppm
5. **Polybrominated Biphenyls (PBB):** < 1000 ppm
6. **Polybrominated Diphenyl Ethers (PBDE):** < 1000 ppm
7. **Bis(2-Ethylhexyl) phthalate (DEHP):** < 1000 ppm
8. **Benzyl butyl phthalate (BBP):** < 1000 ppm
9. **Dibutyl phthalate (DBP):** < 1000 ppm
10. **Diisobutyl phthalate (DIBP):** < 1000 ppm

*We hereby declare that:*

1. We understand the impact RoHS has on human health and the environment.
2. That appropriate component vendor analysis, material certification and contract manufacturer due diligence has been done.
3. Our products meet the requirements of Directive 2015/863 RoHS 3

Best Regards



Adrian Pickles (Technical Director)

References: <https://www.rohsguide.com/>