Micro Crystal

Certificate of Compliance Environment — MS-Series

Micro Crystal confirms that below listed standard products Quartz Crystal Units in metal packages are compliant with the RoHS 3 Directive 2015/863/EU and REACH Regulation 1907/2006/EU of the European Parliament and of the Council on the Restriction of the use of Hazardous Substances in electrical and electronics equipment.

Latest version of CoC Environment: **www.microcrystal.com/en/company/related-documents**

MS-Series Quartz Crystal Units (MS1V/MS3V)

	Directive	Description
RoHS	**RoHS Directive** 2011/65/EU / (RoHS 2) Edition: July 1st 2011 and **Directive** 2015/863/EU / (RoHS 3) Edition : 31.3.2015 **Directive** 2018/742/EU Edition: 18.5.2018	These products contain Lead (Pb) exempted under RoHS: - 6(c) Lead as an alloying element in copper containing up to 4% lead by weight. - 7(a)-V Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).
e	**China RoHS 2** / GB / T 26572-2011 Edition: January 21st 2016	Restrictions of Hazardous Substances - China RoHS 2 compliant
VOC free	**VOC's** GB 30981 / 38507 / 33372 / 38508 Edition: March 2020	Materials used in products and processes are in compliance with the China VOC regulations.
WEEE	**WEEE Directive** 2012/19/EU Edition: July 4th 2012	Waste from Electrical and Electronic Equipment - compliant with WEEE directive
REACH	**REACH Regulation** 1907/2006/EU (REACH = Registration, Evaluation and Authorisation of Chemicals) According to article 59 (10) and articles 56 and 67 / annexes XIV and XVII of Regulation - IEC 62474 Int. Electrotechnical Commission	SVHC: Substances of Very High Concern Number of substances on the Candidate List: 251 - last updated: 5th of November 2025 - These products contain SVHC in concentration above 0.1% by weight. Substance: Lead CAS: 7439-92-1 [1] - IEC: Declarable Substances List: actual Version
Stockholm Convention / PFAS / PFOA / PFOS	**Directive** 2019/1021/EC Edition June 20th 2019 **Directive** 2006/122/EC Edition December 12th 2006 **PFAS** e.g. Reg. State of Maine L.D. 1503	Persistent Organic Pollutants (POP's) - products are free of POP's (incl. PFOS, PFOA) and Perfluoroalkyl and Polyfluoroalkyl substances (PFAS)
Prop 65	**California Proposition 65** The Safe Drinking Water and Toxic Enforcement Act of 1986	Products contain listed substances Nickel (CAS 7440-02-0), Cobalt (CAS 7440-48-4) and Lead (7439-92-1) and are compliant with Prop 65. [1]
	US-EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) e-CFR system 40 Part 751	The products contains one or more components for which a Low Volume Exemption (LVE) with 40 CFR 723.50 applies.
HF HALOGEN FREE	Halogen free	Halogen free - products are free of Halogen
cfsi	Conflict-Free Sourcing Initiative (CFSI), founded by EICC and GeSI. Conflict Minerals Reporting Template (CMRT) Extended Mineral Reporting Template (EMRT)	It is Micro Crystal's strict policy not to purchase any **Conflict Minerals** that are mined under conditions of armed conflict and human rights abuses.
Various	Ozone Depleting Substances, Asbestos, BPA, PVC, DMF, HBCDD, Latex nor Phthalates.	Products are compliant with: EU Directive 2024/590 / EU Directive 2009/148

[1] Detailed "Material composition" see pdf document "Product Doc." or "App. Manual" (Homepage)

Document Revision History

Date	Rev #	Revision Details	Date	Rev #	Revision Details
Jan. 23 – July 24	3.0 – 3.3	Update REACH / add PFAS			
Jan. 17 – July 22	1.1 – 2.7	Different updates	December 2025	3.7	Update REACH, Various Directives
Sept. 2016	1.0	First release	Nov. 24 – July 25	3.4 – 3.6	Update REACH / RoHS Directive

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Document Status

Date	CoC Environmental	Name	Title	Signature
December 1st 2025	Document Approved	Melanie Knoll	Quality Manager	Melanie Knoll