



# RoHS CHEMICAL SAFETY COMPLIANCE SUMMARY

## Directive 2011/65/EU & (EU) 2015/863 – Hazardous Substance Restrictions

### 1. Testing Facility Credibility

Shenzhen HX Detect Certification Co., Ltd. is an accredited laboratory specializing in hazardous substance detection, toxic material analysis, and international compliance testing. Their certifications are recognized under CNAS and ILAC-MRA, ensuring global acceptance for RoHS, CE, FCC, and international product safety evaluations. The lab is widely trusted for accurate, independent, science-based compliance analysis required for international trade and regulatory approval.

### 2. Description of Tests Conducted

RoHS testing was performed according to the full **IEC 62321** series, using both rapid screening and detailed chemical analysis. Components were examined for the following restricted substances:

- Lead (Pb)
- Cadmium (Cd)
- Mercury (Hg)
- Hexavalent Chromium (Cr VI)
- Polybrominated Biphenyls (PBBs)
- Polybrominated Diphenyl Ethers (PBDEs)
- Phthalates: DBP, BBP, DEHP, DIBP

Screening was completed with high-sensitivity XRF spectroscopy. Any component approaching regulatory thresholds underwent confirmation testing using:

- ICP-OES for metals
- UV-Vis spectrophotometry for Cr(VI)
- GC-MS for organic flame retardants and phthalates

These methods ensure accurate and reliable detection of both metallic and organic restricted substances across all materials and internal components.



### 3 Summary of Certification

The RoHS evaluation applies to the following OH-Feel models:  
OH500A • OH500B • OH500C03 • OH500CD04 • OH500E06 • OH500F08

All tested components were found to contain **no restricted substances above the legal limits**. Most materials showed **no detectable traces** of hazardous chemicals. Any metals present were far below threshold requirements, and all organic flame-retardant and phthalate categories were confirmed as **Not Detected (N.D.)**.

These results confirm that the OH-Feel Hydroxyl Air Protection System meets the strict requirements of the EU RoHS Directive 2011/65/EU and amendment (EU) 2015/863, verifying that the products are free from banned toxic substances and safe for consumer, medical, residential, and commercial applications.

**Certification Result:** PASS

**Report Number:** HX2004095516

**Testing Laboratory:** Shenzhen HX Detect Certification Co., Ltd.

**This two-page summary confirms RoHS chemical safety compliance for the tested samples.**

*This summary is provided for clarity. Refer to the original test report for full data and methodology.*