

RoHS 2.0 Tester

Model: LC-ONE

Easier than liquid phase More precise than pyrolysis

The first RoHS 2.0 all-in-one model in the electrical and electronic industry meets the T/CESA 1063-2019 standard and meets the test requirements



Reference standards

IEC 62321-8:2017, T/CESA 1063-2019 "Determination of four kinds of phthalates in electrical and electronic products - high performance liquid chromatography"

product description

The RoHS 2.0 tester is a testing equipment independently developed and produced by our company. The instrument embodies the characteristics of "simplification, knowledge and action", and is dedicated to the detection of four types of phthalates in the RoHS directive control. The RoHS 2.0 tester host and computer are integrated, which has the characteristics of simple instrument operation, small footprint, high overall performance, and high testing efficiency. The test is accurate, the stability is good, the use is simple and convenient, and the junior highschool level can be easily operated. The exclusive RoHS 2.0 integrated model in the electrical and electronic industry, providing customers with RoHS 2.0 environmental protection testing equipment with high efficiency and high performance.

Test substances

Professionally respond to RoHS 2.0 phthalate four items (BBP, DIBP, DBP, DEHP) substance testing.

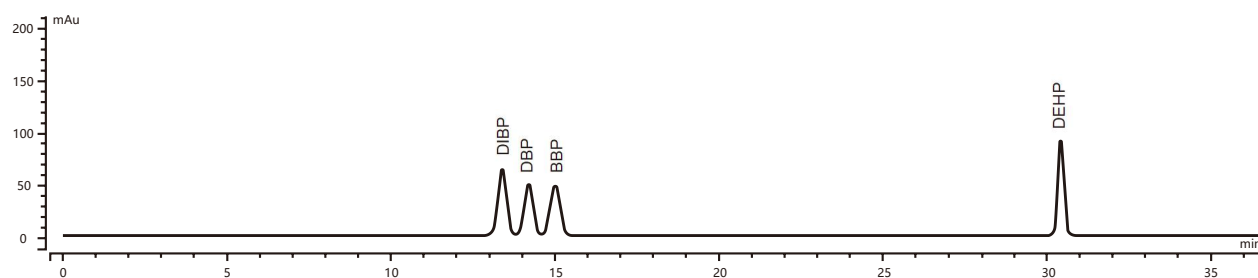
Can be upgraded to expand the test, after the expansion to meet the test: o-phenyl 16P, polybrominated biphenyl (PBB), polybrominated diphenyl ether (PBDE), polycyclic aromatic hydrocarbons (PAHs), formaldehyde (Formaldehyde), dimethyl formamide (DMFA), CP 65 Regulatory responses, etc.

Application industry

electronic appliances, wire and cable, new energy, medical equipment, toys and plastics, ink coatings, packaging materials and other industries.

Reference standards

IEC 62321-8:2017, T/CESA 1063-2019 "Determination of four kinds of phthalates in electrical and electronic products - high performance liquid chromatography"



Chromatograms of Four PAEs Standard Samples Determinated by HPLC

Product advantages



One-click report

The output format of the test report (Excel, PDF, etc.) can be customized according to the user's requirements, which meets the various statistical and format requirements of the factory; multilingual (English, simplified Chinese, traditional Chinese, etc.) software interface is available; the RoHS 2.0 analysis report can be obtained directly, the content of the report is simple and clear, and the result is automatically judged.



No need for professional operators

There is no need for a professional laboratory, no environmental impact assessment, and no exhaust gas. It can be placed in a ventilated place. It does not require professional operators. It can be operated after training at a junior high school level or above.



Pipeline optimization

The optimization of the connecting tubing allows the instrument to minimize the delay volume while eliminating the messy tubing that occurs when using traditional instruments.



Strong scalability

Upgradable and extended testing: o-phenyl 16P, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), polycyclic aromatic hydrocarbons (PAHs), formaldehyde (Formaldehyde), dimethylformamide (DMFA), CP 65 regulations, etc.



The industry's first RoHS 2.0 all-in-one model

The industry's first RoHS 2.0 all-in-one design makes installation and configuration easier and saves space.



Real-time leakage alarm monitoring function

Infusion pumps, column thermostats, detectors, etc. all have real-time leakage alarm monitoring functions to provide guarantee for operation.



Leading RoHS 2.0 dedicated analysis software

Equipped with RoHS 2.0 special analysis software JHT test V, it realizes full computer control of the instrument, reduces manual sampling errors and improves accuracy.

Technical Parameters

wavelength range	190~700nm
Deuterium lamp life	2000 hours
Spectral width	8nm
Wavelength Accuracy	±1nm
wavelength repeatability	≤0.1nm
flow cell volume	8μL
baseline noise	≤1×10 ⁻⁵ AU
baseline drift	≤2×10 ⁻⁴ AU/h
Minimum detection amount	1×10 ⁻⁹ g/mL
Qualitative repeatability	RSD≤0.075%
Quantitative repeatability	RSD≤1%
flow accuracy	≤0.3%
Flow precision	≤0.075%
pressure range	0~42MPa
Gradient Blending Accuracy	±1%
gradient mixed precision	±0.2%
input power	AC220V ~ 240V , 50/60Hz
rated power	300W
Working temperature	10~30°C
Working environment relative	≤75% (no condensation)
Instrument size	450mm (W) * 380mm(D) * 750mm(H)
net weight	About 45Kg
Computer Configuration	CPU I5, memory 4GB, hard disk 128GB solid state, display: 13-inch capacitive touch screen

Test steps



Step 1
Split the sample



Step 2
Accurate Weighing



Step 3
ultrasonic extraction



Step 4
Cooling and constant volume



Step 5
Test on the machine

SHENZHEN JUN HUI TENG TECHNOLOGY CO.,LTD.

📍 Jingdong Avenue, Jingdong Zhigu, Fenggang Town, Dongguan City, Guangdong Province, China, B11 Building

☎ 0755-23358711/10 📠 0755-23358712 📞 400-0700-292

