№: ZSJC2023042607

# TEST REPORT

NAME OF SAMPLE THz Tera-P90

CLIENT OLYLIFE INTERNATIONAL SDN. BHD.

CLASSIFICATION OF TEST Entrusted testing

Guangzhou Zhongsen Testing Technology Co., Ltd

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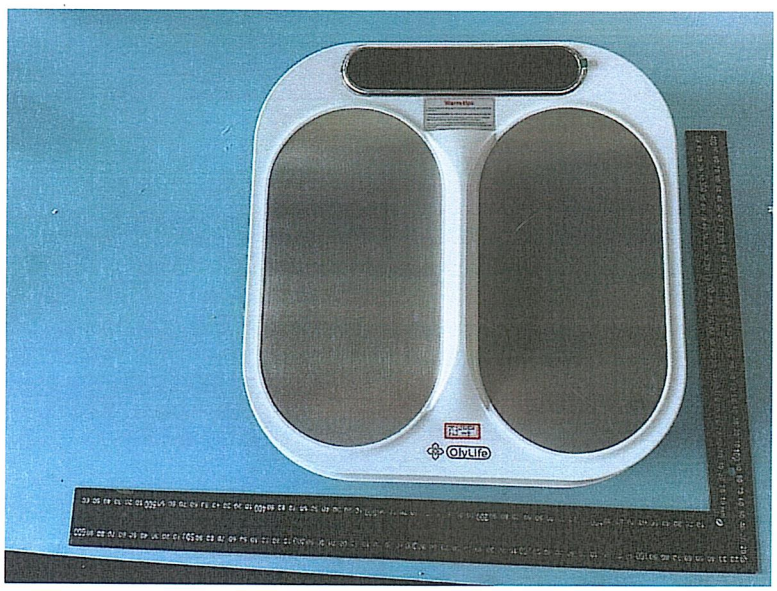
| | | | |
|---|---|---|---|
| Product name | THz Tera-P90 | Sample grade | — |
| Model and specification | P90 | Merchant mark | Olylife |
| Production unit | — | Entrusted unit | OLYLIFE INTERNATIONAL SDN. BHD. |
| Address | — | Address | — |
| Number of samples | 1 | Sampling personnel | — |
| Sample identification | — | Sampling location | — |
| Sampling mode | Express mail | Sampling method | — |
| Detection category | EMS | Sampling date | — |
| Sample receiving date | 2023.04.26 | Completion date | 2023.05.02 |
| Test basis | GB/T 7287-2008 | Test items | Radiation wavelength range (radiation spectrum curve) Terahertz radiation wavelength |
| Test conclusion | **(Blank below)** Seal of testing unit Date of issue: 2023.5.11 | | |

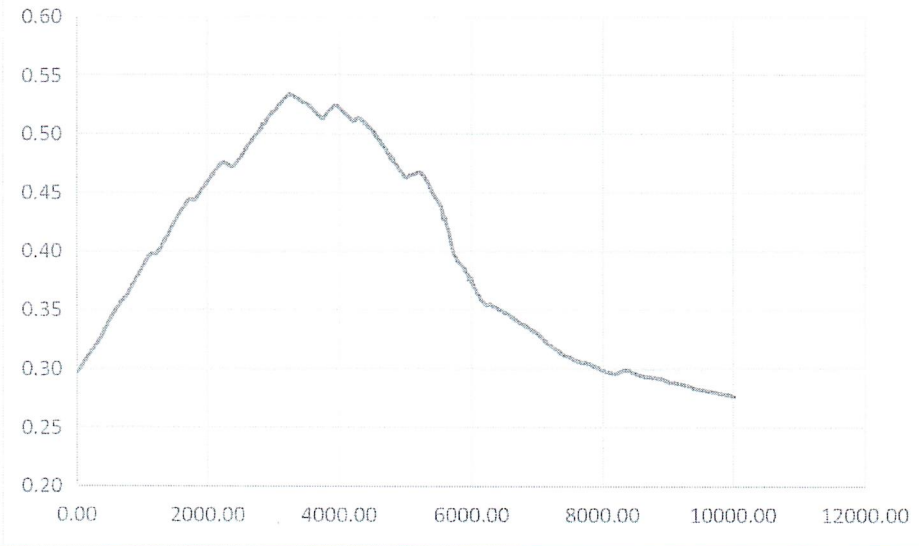
Editor: Main inspection: To examine:

№: ZSJC2023042607

| | |
|---|---|
| Sample description and Instructions |  |
| Description of sampling procedure | — |
| Description of deviation from standard method | — |
| remarks | — |

№: ZSJC2023042607

Test environmental conditions: temperature 23 ± 3 ℃, humidity 55 ± 5% RH




**Radiation spectrum curve**

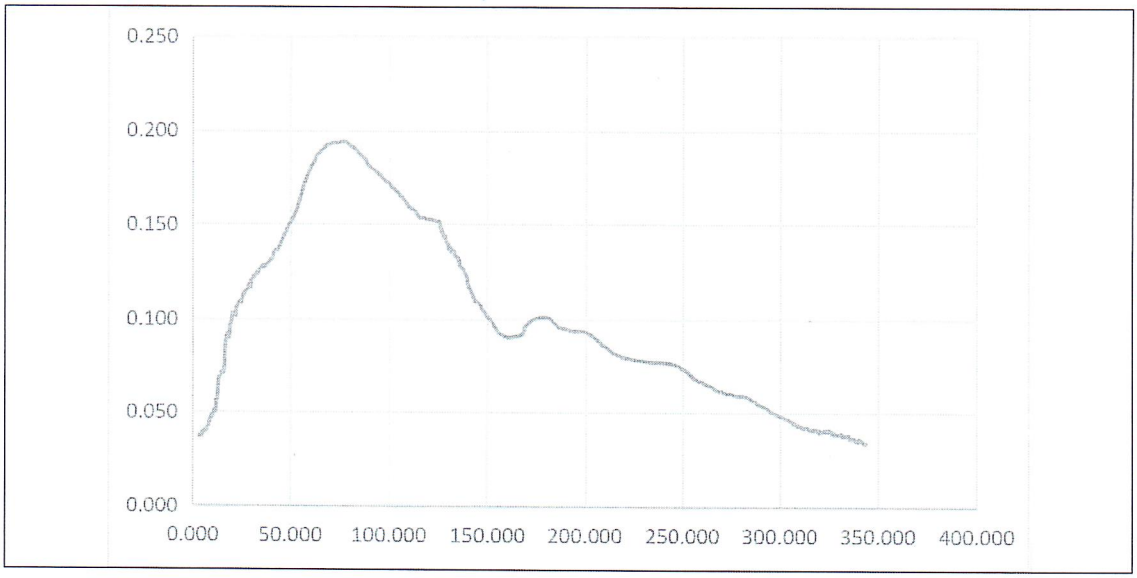
| Name of the specimen | Test project | Detection unit | Test result |
|---|---|---|---|
| THz Tera-P90 | Radiation wavelength range (radiation energy spectrum) (peak)0.75μm-3μm | W/m2 | 0.303 |
| | Radiation wavelength range (radiation energy spectrum curve) (peak)3μm-10μm | W/m2 | 0.328 |
| | Radiation wavelength range (radiation energy spectrum curve) (peak)10μm-30μm | W/m2 | 0.336 |
| | Terahertz radiation wavelength range (radiation energy spectrum curve) (peak)30μm-1000μm | W/m2 | 0.821 |
| | Terahertz radiation wavelength range (radiation energy spectrum) (peak)1000μm-3000μm | W/m2 | 0.526 |
| | Terahertz radiation wavelength range (radiation energy spectrum) (peak)3000μm-10000μm | W/m2 | 0.508 |

№: ZSJC2023042607

**Spectral distribution:**

Test environmental conditions: temperature 23 ± 3 ℃, humidity 55 ± 5% RH

Test scope: 0mm~3mm/30~3000μm




**Color parameters :**

Chromaticity coordinate:x=0.2512 y=0.1036(duv=1.528e-03)

Main wavelength:λd=550.0nm color purity: Pur=4.8%

Color ratio:R=30.8% G=51.6% B=2.3%

Peak wavelength:λp=428.0nm half width:Δλp=29.2nm

Color rendering index:Ra=61.6

R1=71、R2=72、R3=71、R4=71、R5=71、R6=63、R7=76、R8=65、R9 =-3、R10=35、R11=71、R12=41、R13=65、R14=77、R15=73

**Photometric parameters :**

Luminous fluxΦ: 8.522 lm radiation fluxΦe: 1.725 W light efficiency : 0.02 lm/W

**Electrical parameters :**

Voltage U = 220.8v, current I = 5.118a, power P = 1200.22w, power factor pf = 0.8825

Wavelength coordinate: x=0.1988 y=0.3113(duv=2.61e-03)

Main wavelength: ^ D = 400-1200 μ M THz wavelength: 30 ~ 10000 μ m=25.48%

Test equipment:

| Testing equipment | Equipment brand | Equipment model |
|---|---|---|
| Infrared radiation detector | Shenzhen wanyitong | JPS-5X |
| Terahertz radiation detector | CETC instruments | 3643X |