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Certificate of Analysis / 产品质检单

Document No.(文档号): 6N160525

Effective Date.(生效时间): 2016.06.13

Customer(客户): _____

Test Date(检测日期): 2016.05.26

Purchase Number(采购单号): _____

Analyst(检验): 送外检

| Item 项目 | Size 规格 | Total 批量 | Lot NO. 批号 |
|--------------------------------------|--------------------|---------------|--------------------|
| Zone-refined Germanium 区熔锗 | 99.9999% | 3.0KG | 160525 |
| Chemical Composition 化学成分 (ppm wt) | | | |
| Element 元素 | Test Result 实测值 | Element 元素 | Test Result 实测值 |
| Li | <0.005 | Ag | <0.01 |
| Be | <0.005 | Cd | <0.1 |
| B | <0.005 | In | <0.05 |
| F | <0.5 | Sn | <0.05 |
| Na | <0.005 | Sb | <0.05 |
| Mg | <0.005 | Te | <0.05 |
| Al | <0.005 | I | <0.01 |
| Si | 0.04 | Cs | <0.05 |
| P | <0.005 | Ba | <0.05 |
| S | <0.005 | La | <0.05 |
| Cl | <0.05 | Ce | <0.05 |
| K | <0.05 | Pr | <0.05 |
| Ca | <0.01 | Nd | <0.01 |
| Sc | <0.001 | Sm | <0.01 |
| Ti | <0.001 | Eu | <0.01 |
| V | <0.001 | Gd | <0.01 |
| Cr | <0.005 | Tb | <0.01 |
| Mn | <0.005 | Dy | <0.01 |

| | | | |
|----|--------|----|--------|
| Fe | <0.005 | Ho | <0.01 |
| Co | <0.005 | Er | <0.01 |
| Ni | <0.005 | Tm | <0.01 |
| Cu | <0.005 | Yb | <0.01 |
| Zn | <0.005 | Lu | <0.01 |
| Ga | <0.01 | Hf | <0.01 |
| Ge | Matrix | Ta | Source |
| As | <0.01 | W | <0.01 |
| Se | <0.05 | Re | <0.01 |
| Br | <0.01 | Os | <0.01 |
| Rb | <0.01 | Ir | <0.01 |
| Sr | <0.01 | Pt | <0.01 |
| Y | <0.01 | Au | <0.5 |
| Zr | <0.01 | Hg | <0.01 |
| Nb | <0.01 | Tl | <0.01 |
| Mo | <0.01 | Pb | <0.01 |
| Ru | <0.01 | Bi | <0.01 |
| Pd | <0.01 | | |

检测环境温度 CIRCUMSTANCE TEMPERATURE: 20±0.5 °C

检测方法 TEST METHOD: 两探针法 TWO POINT PROBE

电阻 RESISTIVITY: ≥50Ω.CM

锆含量 GE CONTENT: 99.9999%MIN

Conclusion of Analysis(检验结论): Product's purity is 99.9999% up, 产品纯度不低 99.9999%.