

Prüfbericht - Nr.: 1083-061116a

Test Report No.:

Seite 1 von 2

Page 1 of 2

Auftraggeber: FAB-9 VIETNAM LTD.,
Client: 1B Dong An Industrial Zone, Thuan An Dist., Binh Duong Province, HCMC

Hergestellt für: (only if required by the client!)
Manufactured for:

Gegenstand der Prüfung: Bare PCB
Test Item:

Bezeichnung: Bare PCB, Material: FR4, Color: Green, Properties: Copper, Nickel, Gold, Solder
Identification: mask

Anlieferungszustand: einwandfrei
Delivery condition: apparent good

Eingangsdatum: 16. November.2006
Date of Receipt:

Prüfört: HO CHI MINH CITY
Testing Location:

Prüfgrundlage: Directive 2002/95/EC last amended by 2005/747/ EC :
Test Specification: Restriction of the Use of Certain Hazardous Substances (RoHS):
Total Content of Lead, Cadmium, Mercury, Chromium VI, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers

Prüfergebnis: Nach Art und Umfang der durchgeführten Prüfungen entspricht der
Test Result: Prüfgegenstand oben genannter Prüfgrundlage.
According to the kind and extend of tests performed the test item passed test specification.

geprüft/ tested by:
MSc. HOANG DUC DUY KHUONG
Chemist

kontrolliert/ checked by:
Dr. HANS-JOACHIM RODERFELD
Laboratory Manager

Datum
Date

Name
Name

Unterschrift
Signature

Datum
Date

Name
Name

Unterschrift
Signature

Sonstiges/ Other Aspects:

Test period: 16. November 2006 – 23. November 2006

This test report replaces for Test report No: 1083-061116 because of typing mistake in the appendix (test sample picture)

Abkürzungen: ok / P = entspricht Prüfgrundlage
fail / F = entspricht nicht Prüfgrundlage
n.a. / N = nicht anwendbar

Abbreviations: ok / P = passed
fail / F = failed
n.a. / N = not applicable

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

Prüfbericht - Nr.: 0215-061116
Test Report No.:

Seite 2 von 2
Page 2 of 2

2007.01.22

Test Method : Lead, Cadmium, Mercury - following USEPA 3051, USEPA 3052; totally digested then determination with ICP-AES
: Chromium VI - following DIN EN ISO 3613 determination with UV/VIS
: PBBs/PBDEs - following USEPA 8270C, determination with GC/MS

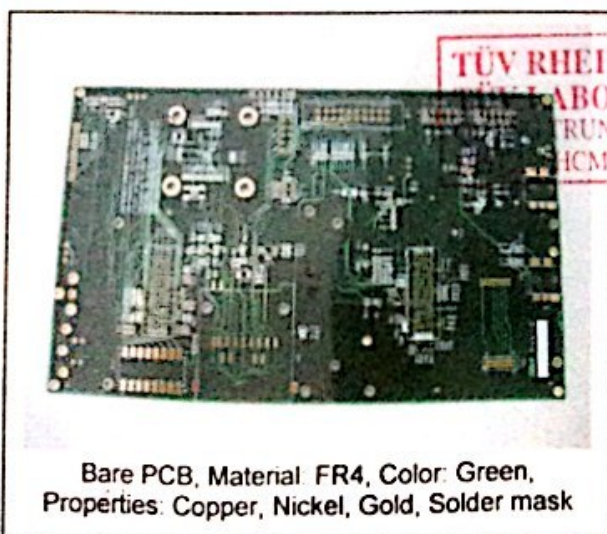
Sample Material Color Lab.-No.	Unit	MDL	Bare PCB FR4 Green VCL 061116-501	Tolerance limit	Pass/ Fail
Cadmium (Cd)	mg/kg	2.0	N.D.	100	Pass
Lead (Pb)	mg/kg	2.0	7.2	1000	Pass
Mercury (Hg)	mg/kg	1.0	N.D.	1000	Pass
Chromium VI (Cr VI)	mg/kg	1.0	N.D.	1000	Pass
PBBs	mg/kg	10.0	N.D.	1000	Pass
PBDEs excluding DeBDE	mg/kg	10.0	N.D.	1000	Pass

Explanation:

- mg/kg is equal to ppm (parts per million)
- MDL: -Method Detection Limit
- N.D. - not detected (<MDL)
- N.A. - not applicable
- Analysis of PBB/PBDE includes the following compounds (BZ#):
Brominated Biphenyls: 3, 4, 18, 77, 101, 153, 209
Brominated Diphenyl Ethers: 3, 4, 28, 47, 99, 154, 180, 196, 206

Appendix:

Test sample picture:



Bare PCB, Material: FR4, Color: Green,
Properties: Copper, Nickel, Gold, Solder mask

TÜV RHEINLAND GROUP
LABORATORIES
QUANG TRUNG SOFTWARE CITY
HO CHI MINH CITY

TÜV RHEINLAND GROUP
LABORATORIES
QUANG TRUNG SOFTWARE CITY

— End of Test-Report —