
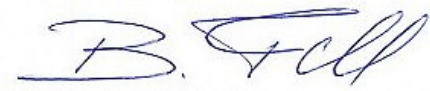


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Prüfbericht - Nr.: 113114211-01		Seite 1 von 3	
<i>Test Report No.:</i>		<i>Page 1 of 3</i>	
Auftraggeber: <i>Client:</i>	SemiLEDs Corporation 8&9F, No.13 Ke Jung Rd., Chu-Nan Site, Hsinchu Science Park, Chu-Nan 350, Miao-Li County, Taiwan, R.O.C.		
Gegenstand der Prüfung: <i>Test Item:</i>	Light Emitting Diode		
Bezeichnung: <i>Identification:</i>	Light Emitting Diode /MvpLED		
Anlieferungszustand: <i>Delivery condition:</i>	apparent good	Eingangsdatum: <i>Date of Receipt:</i>	22.01.2009
Prüfört: <i>Testing location:</i>	Nankang Branch, Taipei		
Prüfgrundlage: <i>Test specification:</i>	With reference to Corrigendum to Regulation (EC) no.1907/2006, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Screening of 15 Substances of Very High Concern (SVHC) based on the Candidate List published by European Chemicals Agency (ECHA) on 28.10.2008		
Prüfergebnis: <i>Test result:</i>	The test results are the measurements, stated in the test report.		
geprüft: <i>tested by:</i>	kontrolliert: <i>checked by:</i>		
12.02.2009	 Carl Chang /Reviewer	12.02.2009	 Bernd Fritzsche /Reviewer
Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>
			Name <i>Name</i>
			Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:			
Test period: 23.01.2009 – 12.02.2009			
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	
<p>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.</p> <p><i>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.</i></p>			



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12.02.2009

Test results

1. Screening of 15 Substances of Very High Concern (SVHC):

- Test Method: 1) ICP-Screening: Test portion is digested with acid and assisted with microwave, the elements are analyzed by means of ICP-OES.
- 2) GC-MS Screening: Test portion is extracted with organic solvent; the extraction solution is then analyzed by GC-MS.
- 3) GC-ECD Screening: Test portion is extracted with organic solvent; the extraction solution is then analyzed by GC-ECD.

Sample Material Lab.-No.	Light Emitting Diode /MvpLED Diode TCL090122-12		Reporting limit
Substance ⁽¹⁾	CAS No.	Unit	Results ⁽⁴⁾
4,4'-Methyldianiline	101-77-9	mg/kg	n.d.
Benzylbutylphthalate (BBP)	85-68-7	mg/kg	n.d.
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7	mg/kg	n.d.
Dibutylphthalate (DBP)	84-74-2	mg/kg	n.d.
Anthracene	120-12-7	mg/kg	n.d.
Hexabromocyclododecane (HBCDD)	25637-99-4	mg/kg	n.d.
5-Tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	mg/kg	n.d.
Short chain chlorinated paraffins, C ₁₀ -C ₁₃ (SCCP)	85535-84-8	mg/kg	n.d.
Bis(tributyltin)oxide (TBTO)	56-35-9	mg/kg	n.d.
Triethyl arsenate ⁽²⁾	15606-95-8	mg/kg	n.d.
Diarsenic pentoxide ⁽²⁾	1303-28-2	mg/kg	n.d.
Diarsenic trioxide ⁽²⁾	1327-53-3	mg/kg	n.d.
Lead hydrogen arsenate ⁽²⁾	7784-40-9	mg/kg	n.d.
Cobalt dichloride ⁽²⁾	7646-79-9	mg/kg	n.d.*
Sodium dichromate, dihydrate ⁽³⁾	7789-12-0	mg/kg	n.d.

* Total content of Cobalt: 24000 mg/kg; chlorine is not detected by Ion Chromatograph which indicates that cobalt dichloride is not present in the test specimen.

Remark:

- (1) The 15 Substances of Very High Concern (SVHC) as of the Candidate List published by the European Chemicals Agency (ECHA) on 28.10.2008
- (2) The substances are tested in term of their respective elements (e.g. As, Pb, Co)
- (3) The substances are tested in term of hexavalent chromium, Cr (VI)
- (4) n.a. – test not applicable for the respective material type
n.d. – not detected
- (5) Reporting Limit – results below this value will be stated as n.d.

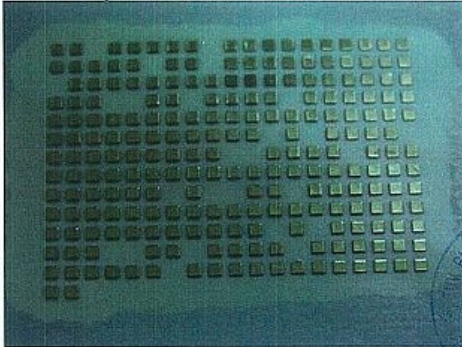


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Test sample



--- End of Test-Report ---