
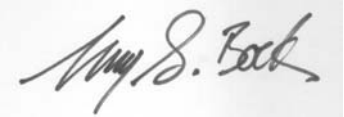


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Auftraggeber: <i>Client:</i>	Alien Technology Corporation 18220 Butterfield Blvd., Morgan Hill, CA 95037 USA	
Gegenstand der Prüfung: <i>Test Item:</i>	ALN 96XX	
Bezeichnung: <i>Identification:</i>	Material testing for REACH SVHC	
Anlieferungszustand: <i>Delivery condition:</i>	einwandfrei <i>apparent good</i>	Eingangsdatum: <i>Date of Receipt:</i> 6/5/2009
Prüfort: <i>Testing Location:</i>	TÜV Rheinland of North America 46979 Five Mile Road, Plymouth, MI 48170	
Prüfgrundlage: <i>Test Specification:</i>	Determine (15) Substances of Very High Concern according to REACH Regulation (EC) No 1907/2006	
Prüfergebnis: <i>Test Result:</i>	Pass (Please refer to test results) Concentration values of (15) SVHC are less than 0.1% W/W	
geprüft/ tested by:	kontrolliert/ checked by:	
		
Jul. 14, 2009	Scott Sagamang Project Engineer	Jul. 15, 2009
Jul. 15, 2009	Geoffrey Bock Project Manager	
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: Jun. 6, 2009 to July. 7, 2009		
Test Method: Reach Metallic Compounds Screen; EPA MODIFIED 8270 / MODIFIED SW3550B; EN 14362-2 / EN 14362-2; MODIFIED EPA 8270 / SW3550B; SW8270C / SW3550B; MODIFIED IEC CHAPTER 7 / MODIFIED IEC CHAPTER 7		
Abkürzungen:	<i>ok / P = entspricht Prüfgrundlage</i> <i>fail / F = entspricht nicht Prüfgrundlage</i> <i>n.a. / N = nicht anwendbar</i>	Abbreviations: <i>ok / P = passed</i> <i>fail / F = failed</i> <i>n.a. / N = not applicable</i>
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.		
<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>		

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3. Test Results

Report of Laboratory Analysis

CLIENT: TUV Rheinland of N. America **Client Sample ID:** ALN 963XX
Lab Order: 09050608 **Report Date:** 7/14/2009
Project: TUV Product Ecology Job Number - 75354 **Collection Date:** 5/19/2009
Lab ID: 09050608-01A **Matrix:** Eproduct

Analyses	Result	EMT Reporting Limit	RoHS Limit	Units	Qual	Date Analyzed	Weight
REACH compounds by metal screens		Method: REACH METALLIC COMPOUNDS SCREEN					
Arsenic trioxide (by As)	< 52.8	52.8		mg/Kg	C	6/11/09	<0.00117 g
Cobalt dichloride (by Co)	< 88.1	88.1		mg/Kg	C	6/11/09	<0.00195 g
Diarsenic pentaoxide (by As)	< 61.3	61.3		mg/Kg	C	6/11/09	<0.00136 g
Lead hydrogen arsenate (by Pb)	< 70.5	70.5		mg/Kg	C	6/11/09	<0.00156 g
Sodium dichromate, dihydrate (by Cr)	< 458.	458.		mg/Kg	C	6/11/09	<0.0101 g
Tributyltin oxide (by Sn)	< 201.	201.		mg/Kg	C	6/11/09	<0.00445 g
Triethyl arsenate (by As)	< 121.	121.		mg/Kg	C	6/11/09	<0.00268 g
Analytes by GC/MS		Method: EPA MODIFIED 8270 / MODIFIED SW3550B					
Hexabromocyclododecane	< 0.0195	0.0195		mg/Kg	C	7/7/09 18:06	<0.00000432 g
Musk xylene	< 0.0975	0.0975		mg/Kg	C	7/7/09 18:06	<0.00000216 g
Azo Colorants by GC/MS		Method: EN 14362-2 / EN 14362-2					
4,4'-Diaminodiphenylmethane	< 0.8209	0.8209		mg/Kg	C	7/2/09 11:28	<0.0000182 g
4,4'-Thiodianiline	< 0.8209	0.8209		mg/Kg	C	7/2/09 11:28	<0.0000182 g
Phthalates by GC/MS		Method: MODIFIED EPA 8270 / SW3550B					
BBP	< 2.9	2.9		mg/Kg	C	6/11/09 05:27	<0.0000651 g
DBP	< 2.9	2.9		mg/Kg	C	6/11/09 05:27	<0.0000651 g
DEHP	< 2.9	2.9		mg/Kg	C	6/11/09 05:27	<0.0000651 g
DIDP	< 7.4	7.4		mg/Kg	C	6/11/09 05:27	<0.000163 g
DINP	< 7.4	7.4		mg/Kg	C	6/11/09 05:27	<0.000163 g
DNOP	< 2.9	2.9		mg/Kg	C	6/11/09 05:27	<0.0000651 g
Semivolatile Organic Compounds GC/MS		Method: SW8270C / SW3550B					
Anthracene	< 735.	735.		µg/Kg	C	6/11/09 05:27	<0.0000163 g
Shortchain Chlorinated Paraffins by GC/ECD		Method: MODIFIED IEC CHAPTER 7 / MODIFIED IEC CHAPTER 7					
Shortchain Chlorinated Paraffins	< 41.12	41.12		mg/Kg	C	7/6/09 12:44	<0.00091 g

Sample Weight as Received: 22.14 g
Total Weight of Compounds Analyzed: <0.0001 g

Note:

1. mg/kg = ppm
2. <xx.xxxx = Not Detected

Instrument	
X-ray Fluorescence Spectrometry	
UV-Vis	
ICP-AES Metals	
GC-MS	X
IC Ion Chromatography	
GC/ECD	X

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4. Sample Photos

09050608-01A

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