



No. 3751524-01

Date : 30/MAY/2016

Page 1 of 4

Jauch Quartz GmbH Mr. Stefan Durczok In der Lache 24 78056 VS-Schwenningen GERMANY



The following samples were submitted and identified by/on behalf of the client as						
SGS Job file :		3751524				
Order date	: 04/M	AY/2016				
Order number	: -	-				
Sample receiving Date		AY/2016				
Testing period	: 11/M	AY/2016 - 30/MAY/2016				
Sample No	Sam	ple designation				
160480066	JTX4	10				
Test requested		cordance with the RoHS Directive 2011/65/EU and subsequent amendments				
Test Method(s)	(1) D	etermination of Cadmium by ICP-OES, acc. IEC 62321-5:2013				
	()	etermination of Lead by ICP-OES, acc. IEC 62321-5:2013				
	()	etermination of Mercury by CV-AAS, acc. IEC 62321-4:2013				
	()	etermination of Chromium by ICP-OES, acc. IEC 62321-5:2013				
	()	etermination of Chromium (VI) by photometry (metallic samples) or				
	<u>Remai</u> drastic give al	hromatography (plastic and electronic sample material), acc. IEC 62321:2008 <u>k</u> : Due to its highly reactive nature the concentration of CrVI in a corrosion-protection changes ally with time and storage conditions. The results obtained by IEC 62321: 2008, B5 can therefore only in indication of the presence/absence of Cr(VI) within the limitations of the method at the time of testing. a refer also to the statement given in IEC 62321: 2008, B1.				
	()	etermination of PBB/PBDE by GC/MS, acc. IEC 62321-6:2015				
	<u>Remai</u>	<u>k</u> : Please note that acc. to IEC the testing of metals for PBB/PBDE is gratuitous				
Test Result(s)	: Pleas	se refer to next page(s)				
Conclusion	Lead	ed on the performed tests on submitted sample(s), the test results of , Mercury, Cadmium, hexavalent Chromium comply with the limits as set oHS Directive 2011/65/EU, Annex 2 and subsequent amendments				

Signed for and on behalf of SGS INSTITUT FRESENIUS GmbH

i.V.

Wera Leonhard / hi-cg Projektleiterin / Project Manager

0 i.A

Dr. Nadine Meichsner Projektleiterin / Project Manager

$R:\label{eq:linear} A:\label{eq:linear} R:\label{eq:linear} A:\label{eq:linear} R:\label{eq:linear} A:\label{eq:linear} A:\l$

SGS INSTITUT FRESENIUS GmbH | Im Maisel 14 D-65232 Taunusstein t+49 6128 744 - 0 f+49 6128 744 - 130 www.institut-fresenius.sgsgroup.de

Member of the SGS Group (Société Générale de Surveillance)

Die Prüfergebnisse beziehen sich auf die untersuchten Proben. Die Veröffentlichung und Vervielfältigung unserer Prüfberichte und Gutachten zu Werbezwecken sowie deren auszugsweise Verwendung in sonstigen Fällen bedürfen unserer schriftlichen Genehmigung. Alle Dienstleistungen werden auf Grundlage der anwendbaren Allgemeinen Geschäftsbedingungen der SGS, die auf Anfrage zur Verfügung gestellt werden, erbracht.





No. 3751524-01

Date : 30/MAY/2016

Page 2 of 4

Jauch Quartz GmbH In der Lache 24 78056 VS-Schwenningen GERMANY

Test results by chemical method (Unit: mg/kg)

Sample No.		160480066		
Test Item(s):	Method (refer to)		<u>RL</u>	RoHS Limit
Cadmium(Cd)	(1)	n.d.	1	100
Lead (Pb)	(2)	n.d.	10	1000
Mercury (Hg)	(3)	n.d.	0,5	1000
Chromium, hexavalent (Cr(VI))	(5)	n.d.	1	1000
Sum of PBDEs	(6)	-	-	
Monobromodiphenyl ether		n.a.	50	1000 (Sum of polybrominated diphenyl ether)
Dibromodiphenyl ether		n.a.	50	
Tribromodiphenyl ether		n.a.	50	
Tetrabromodiphenyl ether		n.a.	50	
Pentabromodiphenyl ether		n.a.	50	
Hexabromodiphenyl ether		n.a.	50	
Heptabromodiphenyl ether		n.a.	50	
Octabromodiphenyl ether		n.a.	50	
Nonabromodiphenyl ether		n.a.	50	
Decabromodiphenyl ether		n.a.	50	
Sum of PBBs		-	-	
Monobromobiphenyl		n.a.	50	1000 (Sum of polybrominated biphenyls)
Dibromobiphenyl		n.a.	50	
Tribromobiphenyl		n.a.	50	
Tetrabromobiphenyl		n.a.	50	
Hexabromobiphenyl		n.a.	50	
Pentabromobiphenyl		n.a.	50	
Heptabromobiphenyl		n.a.	50	
Octabromobiphenyl		n.a.	50	
Nonabromobiphenyl		n.a.	50	
Decabromobiphenyl		n.a.	50	

Note : mg/kg = ppm

n.d.= not Detected

RL = Report Limit

n.a.= not analyzed

**= elevated reporting limit due to matrix interferences

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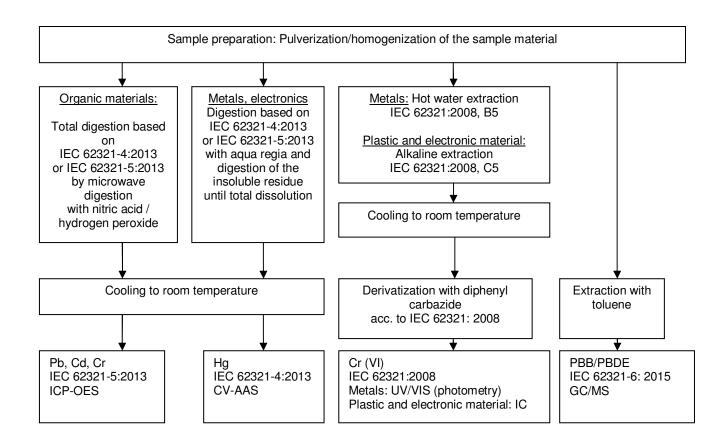
No. 3751524-01

Date : 30/MAY/2016

Page 3 of 4

Jauch Quartz GmbH In der Lache 24 78056 VS-Schwenningen GERMANY

Flow Chart for the working flow of the performed analysis



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No. 3751524-01

Date : 30/MAY/2016

Page 4 of 4

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End of Report

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