

Richlite® Company Ltd

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Test report No. FUHLP2017-04047

Testing of a material sample according to the RoHS directive 2011/65/EC

Sample description: **Boards:**
Richlite® Natural FSC Mix Credit
Richlite® R50 FSC Mix Credit
Richlite® Slate FSC Mix Credit

Arrival in lab: 2017-04-12; Ordered by Client: 2017-04-12
Period of XRF analysis incl. sample preparation and photo documentation: 2017-04-19 – 2017-04-25
Head of Inorganic Lab: Claudia List

Copying this test report is permitted only in agreement with the contracted lab. The test results refer only to the tested item.
This report consists of 4 page(s) plus annex.
The test methods signed with * are not listed in the attachment of the accreditation certificate.

Conclusion based on tested item

Test order	Status
testing according to the RoHS directive 2011/65/EC	pass ^o

^o Please see overview of the test results.

- Test results see next pages -

nM = non Metal

M = Metal

cM = composite Material

List of component parts:

Sample No.	Part No.	Material	Description
711680	1	nM	¼" x12"x12" –FSC Natural FSC Mix Credit
711681	2	nM	¼" x12"x12" –R50 FSC Mix Credit
711682	3	nM	¼" x12"x12" – Slate FSC Mix Credit

Photos

		
Sample No. 711680	Sample No. 711681	Sample No. 711682
Part No. 1	Part No. 2	Part No. 3

Comment

- LOD = Limit of Detection
 BL = Below Limit
 OL = Over Limit
 X = Inconclusive, further test necessary
 σ = Standard deviation
- CS = Composite sample

Remark:

Results were obtained by EDXRF for primary screening. Additional chemical testing using ICP (for Cd, Pb), AAS (for Hg), IC-UC/VIS (for CrVI) and GC/MS (for PBBs/PBDEs) are recommended, if the concentration exceeds the below warning value according to IEC 62321.

Element	Unit	non - metal	metal
Cd	mg / kg	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$
Pb	mg / kg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$
Hg	mg / kg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$
Br	mg / kg	$BL \leq (300-3\sigma) < X$	--
Cr	mg / kg	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$

Element	Unit	composite material
Cd	mg / kg	$LOD < X < (150+3\sigma) \leq OL$
Pb	mg / kg	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	mg / kg	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	mg / kg	$BL \leq (250-3\sigma) < X$
Cr	mg / kg	$BL \leq (500-3\sigma) < X$

1. XRF screening

Method: XRF according to IEC 62321-3-1:2013-06*

Sample No.	Part No.	Pb	Hg	Cd	Cr _{total}	Br	Status
711680	1	BL	BL	BL	BL	BL	pass
711681	2	BL	BL	BL	BL	BL	pass
711682	3	BL	BL	BL	BL	BL	pass

Comment:

Elements	RoHS-limit value
Lead (Pb)	1000 mg/kg
Mercury (Hg)	1000 mg/kg
Cadmium (Cd)	100 mg/kg
Chromium VI (Cr VI)	1000 mg/kg
Polybrominated Biphenyle (PBBs)	1000 mg/kg
Polybrominated Diphenyl ether (PBDEs)	1000 mg/kg

Intertek Consumer Goods GmbH



Prüfleitung / Lab Manager

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