

RCTC

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No. BCTC-FYC170091941R BCTC

Date: Sep. 14, 2017 C

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Test Method:

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A. Screening test by XRF spectroscopy

BCTC	Limit of IEC 62321-3	MDL		
Element	Polymers and metals	Composite materialBCT	Polymers	Other material
Pb	BL≤(700-3σ) <x <(1300+3σ)<br="">≤OL</x>	BL≤(500-3σ) <x <(1500+3σ)<br="">≤OL</x>	10 mg/kg	50 mg/kg
Cd	BL≤(70-3σ) <x <(130+3σ)<br="">TC ≤OL</x>	LOD≤(50-3σ) <x <(150+3σ)<br="">≤OL</x>	10 mg/kg	50 mg/kg
Hg	BL≤(700-3σ) <x <(1300+3σ)<br="">≤OL C</x>	BL≤(500-3σ) <x <(1500+3σ)<br="">≤OL</x>	10 mg/kg	50 mg/kg
Cr	BL≤(700-3σ)< X	BL≤(500-3σ)< X	10 mg/kg	50 mg/kg
C Br	BL≤(300-3σ)< X	BL≤(250-3σ)< X	10 mg/kg	50 mg/kg

Note:

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-BL = Under the XRF screening limit

-OL = Further chemical test will be conducted while result is above the screening limit -X= The symbol "X" marks the residue of

-X= The symbol "X" marks the region where further investigation is necessary

-3o= The reproducibility of analytical instruments

-LOD= Detection limit

BCTC **B.** Chemical Test

TC	Test Item(s)	BCTCTest Method	Measured Equipment(s)	MDL	Limit
	Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
	Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg
	Mercury (Hg) BCTC	IEC 62321-4:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
	CHexavalent Chromium Cr(VI)	IEC 62321-7-1:2015 Ed.1.0	UV-VIS	/ B	1000 mg/kg
BCI		IEC 62321-7-2:2017 Ed.1.0	UV-VIS	8 mg/kg	1000 mg/kg
	Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
	Polybrominated Diphenyl Ethers (PBDEs)	TGEC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
	BCTC	BCTC			BCIC

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Test Report

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Sar	est Res nple o.	Sample Description	BCTC Tested Items	XRF Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion
		Description	Pb	BCT BL		BCI
	BC		Cd	BL		-
	1	Silver metal	Hg	BL BC		PASS
	'	shell BC1	Cr(Cr(VI))	BL		1,435
-		·	Br(PBBs&PBDEs)		, BC	C
			Pb	BL		
		CTC .	Cd	BCBL		1
	2	BCIC Black plantin			1	PASS
	2	Black plastic	Hg	BL	BCTC	PA33
		F		BL		1
			Br(PBBs&PBDEs)	FC BL	1	RCTC
BCTC			Pb BC	BL	1	
		White-blue	Cd	BL	/	
	3	plastic paper	Hg	BBCIC	/	PASS
			Cr(Cr(VI))	BL	ACTC	-
			Br(PBBs&PBDEs)	BL	<i>y</i> e	
			Pb	BL	/	DOTC
D	CTC		Cd	BCIEBL	/	BCI
P	4	White plastic	Hg	BL	1	PASS
		BCT	Cr(Cr(VI))	BL BCI	1	
			Br(PBBs&PBDEs)	BL	1	r C
¢			Pb-C	BL	, BC	
			Cd	BL	/	
	5	White plastic	Hg	BCBL	/	PASS BC
	B		Cr(Cr(VI))	BL	1	
		-	Br(PBBs&PBDEs)	BL	BCIC /	
			Pb	BL	1	
	5	Transat	Cd	BL	1	BCTC
BLI	6	Transparent	Hg	BL	/	PASS
		plastic	Cr(Cr(VI))	BBCTC	1	
		BCTC	Br(PBBs&PBDEs)	BL	1	
			BCTC		BCTC	
B	CTC			CTC		BCTC
		et (вст	С	
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倍测检测 BCTC TEST

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	BCTC		be		
		Pb	BL	BCTC	4
		Cd	BL	7	
7	Silver metal	Hg	BL	/	PASS
BC	TC	Cr(Cr(VI))	BL	1	
		Br(PBBs&PBDEs)	1	TC /	
	BCT	Pb	BL	1	
		Cd	BL	1 20	C
8	8 Yellow plastic - paper -	Hg	BL		PASS
		Cr(Cr(VI))	BL	1	
	BCTC	Br(PBBs&PBDEs)	BCBL	1	
		Pb	BL	DOTE	
		CTC Cd	BL	BC	
9	Plastic paper	Hg	BL	1	PASS
TC		Cr(Cr(VI))	BL	1	BCIC
		Br(PBBs&PBDEs)	BL	1	
	BCTC	Pb	BBCIC	1	
	Silver metal	Cd	BL	Late	
10	10 contact	BCTHg	BL	7	PASS
		Cr(Cr(VI))	BL	1	
- CTC		Br(PBBs&PBDEs)	BCIC	/	BCTC

Note:

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DUD -MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is BCCC less than 0.1 mg/kg with 50cm² sample surface area used.

BCIC

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-Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than 0.1 mg/kg with 50cm² sample surface area used. BCTC

RCT Remark:

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- The screening results are only used for reference.

- When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively. BCIL

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