



## Test Report

No.: T32020231456SC

Date: MAR 19, 2020

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BIC GRAPHIC  
14421 MYERLAKE CIRCLE  
CLEARWATER PINELLAS  
FL 33760 UNITED STATES

The following samples were submitted and identified on behalf of the client as:

MULTI-COLOR INFINITY TUMBLER, INFINITY TUMBLER, INSULATED MUG, BUDGET TRAVELER MUG WITH SLIDER LID

SGS Case No. : CA320202126419  
Item No. : 46028, 45612, 45112, 45211  
Test Request Form No. : 3395  
Quantity Submitted : 84 PCS OF 28 STYLES  
Manufacturer Date : 2019  
Country of Origin : UNITED STATES  
Country of Destination : CANADA, UNITED STATES  
Sample Receiving Date : JAN 21, 2020  
Test Performing Date : JAN 21 – FEB 21, 2020

Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

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Result Summary :

Test Requested	Conclusion
1. US California Proposition 65 – Lead content	PASS
2. US FDA 21 CFR 177.1520 (Olefin Polymers) Polypropylene homopolymer	--
a) Extractable fraction	PASS
b) Soluble fraction	PASS
3. Connecticut General Statutes Title 21A Consumer Protection § 21a-12b Reusable Food and Beverage Containers Containing Bisphenol A: Prohibition; Enforcement – Total Bisphenol A (BPA) content	PASS

Conclusion	PASS	X
	FAIL	
	INCONCLUSIVE	

Signed for and on behalf of  
SGS Hong Kong Ltd.

Cheung Cheuk Fung, Henry  
Assistant Operations Manager

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Test Results :

**1. US California Proposition 65 –Lead Content**

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product

Test Item(s)	Lead (Pb)
Specimen Description	Result(s) (ppm)
1. Blue plastic (Lid, interior liner & tumbler exterior) (#1 - 46028 Neon Blue PP Homopolymer plastic material for lid & interior liner & tumbler exterior)	ND
2. Lime plastic (Lid, interior liner & tumbler exterior) (#2 - 46028 Neon Lime PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 tumbler exterior)	ND
3. Orange plastic (Lid, interior liner & tumbler exterior) (#3 - 46028 Neon Orange PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (46077, lid)	ND
4. Purple plastic (Lid, interior liner & tumbler exterior) (#4 - 46028 Purple Lime PP Homopolymer plastic material for lid & interior liner & tumbler exterior)	ND
5. Yellow plastic (Lid, interior liner & tumbler exterior) (#5 - 46028 Neon Yellow PP Homopolymer plastic material for lid & interior liner & tumbler exterior)	ND
6. Black plastic (Tumbler exterior) (#7 - 45612 Black sparkle PP Homopolymer plastic material for tumbler exterior)	ND
7. Blue plastic (Tumbler exterior & lid) (#8 - 45612 Blue PP Homopolymer plastic material for tumbler exterior & lid) (46028, lid) (45112 tumbler exterior)	ND
8. Dark green plastic (Tumbler exterior) (#9 - 45612 Dark green PP Homopolymer plastic material for tumbler exterior)	ND
9. Lime plastic (Tumbler exterior) (#10 - 45612 Lime PP Homopolymer plastic material for tumbler exterior) (45112 tumbler exterior)	ND
10. Stone plastic (Tumbler exterior) (#11 - 45612 stone PP Homopolymer plastic material for tumbler exterior)	ND
11. Gray plastic (Interior liner & lid) (#12 - 45612 Gray PP Homopolymer plastic material for interior liner & lid)(45211 liner)	ND
12. Black plastic (Liner, lid & exterior tumbler) (#13 - 45612 Black PP Homopolymer plastic interior liner, lid & exterior tumbler) (45112 exterior tumbler, liner) (45211 exterior tumbler, lid) (46028 exterior tumbler, liner & lid)	ND
13. Blue plastic (Tumbler exterior) (#14 - 45112 Electric Blue PP Homopolymer plastic material for tumbler exterior)	ND
14. Green plastic (Tumbler exterior) (#15 - 45112 Electric Green PP Homopolymer plastic material for tumbler exterior)	ND
15. Pink plastic (Tumbler exterior) (#16 - 45112 Electric Pink PP Homopolymer plastic tumbler exterior)	ND
16. Purple plastic (Tumbler exterior) (#17 - 45112 Electric Purple PP plastic tumbler exterior)	ND
17. Gray plastic (Tumbler exterior) (#18 - 45112 Gray PP Homopolymer plastic material for tumbler exterior)	ND
18. Green plastic (Tumbler exterior) (#19 - 45112 Harvest Green PP Homopolymer plastic material for tumbler exterior)	ND

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# Test Report

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19. Pink plastic (Tumbler exterior) (#20 - 45112 Pink PP Homopolymer plastic material for tumbler exterior)	ND
20. Red plastic (Tumbler exterior) (#21 - 45112 Sunset Red PP Homopolymer plastic material for tumbler exterior)	ND
21. Pearl plastic (Liner & lid) (#22 - 45112 Pearl PP Homopolymer plastic interior liner & lid (Gray or Pearl color tumblers))	ND
22. Semi-transparent plastic (Liner & Lid) (#23 - 45112 Frost PP Homopolymer plastic material for interior liner & Lid (Electric blue, green, pink or purple tumbler liner))	ND
23. White plastic (Lid & interior liner & tumbler exterior) (#24 - 45112 White PP Homopolymer plastic material for liner (Sunset red color tumbler) (46028 liner, tumbler & lid)	ND
24. Black plastic (Interior liner & lid & tumbler exterior) (#25 - 45211 Black PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 lid & interior liner & tumbler exterior) (46028 exterior tumbler, liner & lid) (45612 interior liner)	ND
25. Gray plastic (Interior liner & lid & tumbler exterior) (#26 - 45211 Granite Gray PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 tumbler exterior)	ND
26. Blue plastic (Tumbler exterior) (#27 - 45211 Metallic Blue PP Homopolymer plastic material for tumbler exterior) (46028 tumbler exterior, liner & lid)	ND
27. Green plastic (Tumbler exterior) (#28 - 45211 Metallic Green PP Homopolymer plastic material for tumbler exterior)	ND
28. Red plastic (Tumbler exterior) (#29 - 45211 Metallic Red PP Homopolymer plastic material for tumbler exterior) (46028 tumbler exterior, liner & lid)	ND
29. Orange plastic (Tumbler exterior) (#30 - 45211 Orange PP Homopolymer plastic material for tumbler exterior) (45112 tumbler exterior)	ND
30. Silver plastic (Tumbler exterior) (#31- 45211 silver PP Homopolymer plastic material for tumbler exterior)	ND
31. White plastic (Tumbler exterior) (#32- 45211 white PP Homopolymer plastic material for tumbler exterior)	ND

- Note:
- ppm = parts per million
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit =10 ppm
  - 1% = 10000mg/kg=10000ppm

- Remark: 1. The test results are extracted from the test report number T32020211579SC XXXXXX where The sample is claimed to be identical.**
- 2. Material information of the sample is provided by the client.**
- 3. Summary of reference limit(s) of Lead requirement:**

Requirement(s)		Reference Limit of Lead (ppm)
California Proposition 65 (County of Marin Case No. CIV 1104003)	Paint and surface coating	90
	All other materials	100

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**2. US FDA 21 CFR 177.1520 (Olefin Polymers)**
**Polypropylene homopolymer**

## a) Extractable fraction

Method : With reference to 21 CFR 177.1520 (d)(3)(i). Sample preparation in n-hexane at reflux temperature for 2 hours.

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	1		
Extractable fraction	1.1	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	2		
Extractable fraction	1.0	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	3		
Extractable fraction	0.5	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	4		
Extractable fraction	0.9	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	5		
Extractable fraction	0.8	0.1	6.4
<b>Comment</b>	PASS	--	--

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Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	6		
Extractable fraction	0.7	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	7		
Extractable fraction	0.8	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	8		
Extractable fraction	0.6	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	9		
Extractable fraction	0.4	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	10		
Extractable fraction	0.5	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	11		
Extractable fraction	0.7	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	12		
Extractable fraction	0.4	0.1	6.4
<b>Comment</b>	PASS	--	--

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Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	13		
Extractable fraction	0.5	0.1	6.4
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	14		
Extractable fraction	0.6	0.1	6.4
<b>Comment</b>	PASS	--	--

**Sample Description :**

1. Blue plastic (Lid, interior liner & tumbler exterior) (#1 - 46028 Neon Blue PP Homopolymer plastic material for lid & interior liner & tumbler exterior)
2. Lime plastic (Lid, interior liner & tumbler exterior) (#2 - 46028 Neon Lime PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 tumbler exterior)
3. Orange plastic (Lid, interior liner & tumbler exterior) (#3 - 46028 Neon Orange PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (46077, lid)
4. Purple plastic (Lid, interior liner & tumbler exterior) (#4 - 46028 Purple Lime PP Homopolymer plastic material for lid & interior liner & tumbler exterior)
5. Yellow plastic (Lid, interior liner & tumbler exterior) (#5 - 46028 Neon Yellow PP Homopolymer plastic material for lid & interior liner & tumbler exterior)
6. Blue plastic (Tumbler exterior & lid) (#8 - 45612 Blue PP Homopolymer plastic material for tumbler exterior & lid) (46028, lid) (45112 tumbler exterior)
7. Gray plastic (Interior liner & lid) (#12 - 45612 Gray PP Homopolymer plastic material for interior liner & lid) (45211 liner)
8. Black plastic (Liner, lid & exterior tumbler) (#13 - 45612 Black PP Homopolymer plastic interior liner, lid & exterior tumbler) (45112 exterior tumbler, liner) (45211 exterior tumbler, lid) (46028 exterior tumbler, liner & lid)
9. Pearl plastic (Liner & lid) (#22 - 45112 Pearl PP Homopolymer plastic interior liner & lid (Gray or Pearl color tumblers))
10. Semi-transparent plastic (Liner & Lid) (#23 - 45112 Frost PP Homopolymer plastic material for interior liner & Lid (Electric blue, green, pink or purple tumbler liner))
11. White plastic (Lid & interior liner & tumbler exterior) (#24 - 45112 White PP Homopolymer plastic material for liner (Sunset red color tumbler) (46028 liner, tumbler & lid))
12. Black plastic (Interior liner & lid & tumbler exterior) (#25 - 45211 Black PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 lid & interior liner & tumbler exterior) (46028 exterior tumbler, liner & lid) (45612 interior liner)
13. Blue plastic (Tumbler exterior) (#27 - 45211 Metallic Blue PP Homopolymer plastic material for tumbler exterior) (46028 tumbler exterior, liner & lid)
14. Red plastic (Tumbler exterior) (#29 - 45211 Metallic Red PP Homopolymer plastic material for tumbler exterior) (46028 tumbler exterior, liner & lid)

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Note : 1. % w/w = percentage of weight by weight  
2. ND = Not Detected

**Remark: 1. The test results are extracted from the test report number T32020211579SC where the sample is claimed to be identical.  
2. Material information of the sample is provided by the client.**

b) Soluble fraction

Method : With reference to 21 CFR 177.1520 (d)(4)(i). Sample preparation in xylene at 25°C.

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	1		
Soluble fraction	4.1	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	2		
Soluble fraction	1.6	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	3		
Soluble fraction	1.4	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	4		
Soluble fraction	1.2	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	5		
Soluble fraction	1.1	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	6		
Soluble fraction	3.1	0.1	9.8
<b>Comment</b>	PASS	--	--

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Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	7		
Soluble fraction	0.8	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	8		
Soluble fraction	0.5	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	9		
Soluble fraction	0.6	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	10		
Soluble fraction	0.6	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	11		
Soluble fraction	0.3	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	12		
Soluble fraction	1.7	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	13		
Soluble fraction	2.3	0.1	9.8
<b>Comment</b>	PASS	--	--

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
	14		
Soluble fraction	0.8	0.1	9.8
<b>Comment</b>	PASS	--	--

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Sample Description :

1. Blue plastic (Lid, interior liner & tumbler exterior) (#1 - 46028 Neon Blue PP Homopolymer plastic material for lid & interior liner & tumbler exterior)
2. Lime plastic (Lid, interior liner & tumbler exterior) (#2 - 46028 Neon Lime PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 tumbler exterior)
3. Orange plastic (Lid, interior liner & tumbler exterior) (#3 - 46028 Neon Orange PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (46077, lid)
4. Purple plastic (Lid, interior liner & tumbler exterior) (#4 - 46028 Purple Lime PP Homopolymer plastic material for lid & interior liner & tumbler exterior)
5. Yellow plastic (Lid, interior liner & tumbler exterior) (#5 - 46028 Neon Yellow PP Homopolymer plastic material for lid & interior liner & tumbler exterior)
6. Blue plastic (Tumbler exterior & lid) (#8 - 45612 Blue PP Homopolymer plastic material for tumbler exterior & lid) (46028, lid) (45112 tumbler exterior)
7. Gray plastic (Interior liner & lid) (#12 - 45612 Gray PP Homopolymer plastic material for interior liner & lid) (45211 liner)
8. Black plastic (Liner, lid & exterior tumbler) (#13 - 45612 Black PP Homopolymer plastic interior liner, lid & exterior tumbler) (45112 exterior tumbler, liner) (45211 exterior tumbler, lid) (46028 exterior tumbler, liner & lid)
9. Pearl plastic (Liner & lid) (#22 - 45112 Pearl PP Homopolymer plastic interior liner & lid (Gray or Pearl color tumblers))
10. Semi-transparent plastic (Liner & Lid) (#23 - 45112 Frost PP Homopolymer plastic material for interior liner & Lid (Electric blue, green, pink or purple tumbler liner))
11. White plastic (Lid & interior liner & tumbler exterior) (#24 - 45112 White PP Homopolymer plastic material for liner (Sunset red color tumbler) (46028 liner, tumbler & lid))
12. Black plastic (Interior liner & lid & tumbler exterior) (#25 - 45211 Black PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 lid & interior liner & tumbler exterior) (46028 exterior tumbler, liner & lid) (45612 interior liner)
13. Blue plastic (Tumbler exterior) (#27 - 45211 Metallic Blue PP Homopolymer plastic material for tumbler exterior) (46028 tumbler exterior, liner & lid)
14. Red plastic (Tumbler exterior) (#29 - 45211 Metallic Red PP Homopolymer plastic material for tumbler exterior) (46028 tumbler exterior, liner & lid)

Note : 1. % w/w = percentage of weight by weight  
 2. ND = Not Detected  
 3. °C = degree Celsius

**Remark: 1. The test results are extracted from the test report number T32020211579SC where the sample is claimed to be identical.**  
**2. Material information of the sample is provided by the client.**

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**3. Bisphenol A (BPA) Content**

Method: Solvent extraction

Analysis was performed by Triple Quadrupole Liquid Chromatograph Mass Spectrometer (LC-MS/MS)

Specimen Description	MDL (mg/kg)	Result(s) (mg/kg)
1. Blue plastic (Lid, interior liner & tumbler exterior) (#1 - 46028 Neon Blue PP Homopolymer plastic material for lid & interior liner & tumbler exterior)	0.1	ND
2. Lime plastic (Lid, interior liner & tumbler exterior) (#2 - 46028 Neon Lime PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 tumbler exterior)	0.1	ND
3. Orange plastic (Lid, interior liner & tumbler exterior) (#3 - 46028 Neon Orange PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (46077, lid)	0.1	ND
4. Purple plastic (Lid, interior liner & tumbler exterior) (#4 - 46028 Purple Lime PP Homopolymer plastic material for lid & interior liner & tumbler exterior)	0.1	ND
5. Yellow plastic (Lid, interior liner & tumbler exterior) (#5 - 46028 Neon Yellow PP Homopolymer plastic material for lid & interior liner & tumbler exterior)	0.1	ND
6. Blue plastic (Tumbler exterior & lid) (#8 - 45612 Blue PP Homopolymer plastic material for tumbler exterior & lid) (46028, lid) (45112 tumbler exterior)	0.1	ND
7. Gray plastic (Interior liner & lid) (#12 - 45612 Gray PP Homopolymer plastic material for interior liner & lid)(45211 liner)	0.1	ND
8. Black plastic (Liner, lid & exterior tumbler) (#13 - 45612 Black PP Homopolymer plastic interior liner, lid & exterior tumbler) (45112 exterior tumbler, liner) (45211 exterior tumbler, lid) (46028 exterior tumbler, liner & lid)	0.1	ND
9. Pearl plastic (Liner & lid) (#22 - 45112 Pearl PP Homopolymer plastic interior liner & lid (Gray or Pearl color tumblers))	0.1	ND
10. Semi-transparent plastic (Liner & Lid) (#23 - 45112 Frost PP Homopolymer plastic material for interior liner & Lid (Electric blue, green, pink or purple tumbler liner)	0.1	ND
11. White plastic (Lid & interior liner & tumbler exterior) (#24 - 45112 White PP Homopolymer plastic material for liner (Sunset red color tumbler) (46028 liner, tumbler & lid)	0.1	ND
12. Black plastic (Interior liner & lid & tumbler exterior) (#25 - 45211 Black PP Homopolymer plastic material for lid & interior liner & tumbler exterior) (45112 lid & interior liner & tumbler exterior) (46028 exterior tumbler, liner & lid) (45612 interior liner)	0.1	ND
13. Blue plastic (Tumbler exterior) (#27 - 45211 Metallic Blue PP Homopolymer plastic material for tumbler exterior) (46028 tumbler exterior, liner & lid)	0.1	ND

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14. Red plastic (Tumbler exterior) (#29 - 45211 Metallic Red PP Homopolymer plastic material for tumbler exterior) (46028 tumbler exterior, liner & lid)	0.1	ND
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- Note:
- mg/kg = milligram per kilogram
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit

**Remark: 1. The test results are extracted from the test report number T32020211579SC where the sample is claimed to be identical.**  
**2. Material information of the sample is provided by the client.**

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Photo Appendix



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Sample as received

\*\*\* End of Report \*\*\*

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