

测试报告

No. SHAHG1923757802

日期: 2019年11月08日 第1页,共27页

河北青竹画材科技有限公司

河北省故城县衡德工业园青竹路1号

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SGS工作编号: TJHL1910005698ST - TJ

原产国: 中国

样品接收日期: 2019年10月28日

测试周期: 2019年10月28日 - 2019年11月07日

测试要求: 根据客户要求测试

测试方法: 请参见下一页

测试结果: 请参见下一页

测试结果概要:

测试要求	结论
欧盟玩具指令2009/48/EC 及其修订指令(EU) 2019/1728之协调标准 EN 71-3:2019-- 特定元素迁移测试(针对第一类:干燥、易碎、粉状或易弯曲的玩具材料)	符合

通标标准技术服务(上海)有限公司
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刘瑾

Lucia Liu刘瑾
批准签署人



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测试结果:

测试样品描述:

样品编号	SGS样品ID	描述
SN1	SHA19-237578.001	红色油画棒
SN2	SHA19-237578.002	朱红油画棒
SN3	SHA19-237578.003	橙色油画棒
SN4	SHA19-237578.004	橙黄油画棒
SN5	SHA19-237578.005	肉色油画棒
SN6	SHA19-237578.006	柠檬黄油画棒
SN7	SHA19-237578.007	黄色油画棒
SN8	SHA19-237578.008	黄绿油画棒
SN9	SHA19-237578.009	草绿油画棒
SN10	SHA19-237578.010	绿色油画棒
SN11	SHA19-237578.011	深绿油画棒
SN12	SHA19-237578.012	蓝绿油画棒
SN13	SHA19-237578.013	淡绿油画棒
SN14	SHA19-237578.014	天蓝油画棒
SN15	SHA19-237578.015	浅蓝油画棒
SN16	SHA19-237578.016	钴蓝油画棒
SN17	SHA19-237578.017	普鲁士蓝油画棒
SN18	SHA19-237578.018	紫蓝油画棒
SN19	SHA19-237578.019	紫色油画棒
SN20	SHA19-237578.020	浅紫色油画棒
SN21	SHA19-237578.021	粉红色油画棒
SN22	SHA19-237578.022	桃红油画棒
SN23	SHA19-237578.023	紫红油画棒
SN24	SHA19-237578.024	铬黄油画棒
SN25	SHA19-237578.025	黄褐油画棒
SN26	SHA19-237578.026	淡棕油画棒
SN27	SHA19-237578.027	淡灰棕油画棒
SN28	SHA19-237578.028	赭石油画棒
SN29	SHA19-237578.029	棕色油画棒
SN30	SHA19-237578.030	铁棕油画棒
SN31	SHA19-237578.031	黑色油画棒
SN32	SHA19-237578.032	深灰油画棒
SN33	SHA19-237578.033	灰色油画棒
SN34	SHA19-237578.034	白色油画棒



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SN35 SHA19-237578.035 银色油画棒
SN36 SHA19-237578.036 金色油画棒

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

欧盟玩具指令2009/48/EC及其修订指令(EU) 2019/1728之协调标准 EN 71-3:2019— 特定元素迁移测试(针对第一类:干燥、易碎、粉状或易弯曲的玩具材料)

测试方法: 参照EN 71-3:2019, 采用ICP-MS, IC-UV 或LC-ICP-MS进行分析。

测试项目	限值	单位	MDL	001	002	003
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	712	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	73	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	004	005	006
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	1.2	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND



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测试项目	限值	单位	MDL	004	005	006
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	165	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	007	008	009
可溶性六价铬 (CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	ND	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND



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日期: 2019年11月08日 第5页,共27页

测试项目	限值	单位	MDL	010	011	012
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	0.8	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	77	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	228	294
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	013	014	015
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	ND	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND



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测试项目	限值	单位	MDL	013	014	015
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	016	017	018
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	600	ND	682
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	019	020	021
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	145	125
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND



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测试报告

No. SHAHG1923757802

日期: 2019年11月08日 第7页,共27页

测试项目	限值	单位	MDL	019	020	021
可溶性铝 (Al)	5625	mg/kg	50	ND	119	57
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	022	023	024
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	0.5	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	435	750	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	0.1	0.2	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	899	241	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	025	026	027
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND



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测试报告

No. SHAHG1923757802

日期: 2019年11月08日 第8页,共27页

测试项目	限值	单位	MDL	025	026	027
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	ND	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	028	029	030
可溶性六价铬 (CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	ND	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	031	032	033
可溶性六价铬 (CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND



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测试报告

No. SHAHG1923757802

日期: 2019年11月08日 第9页,共27页

测试项目	限值	单位	MDL	031	032	033
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	ND	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

测试项目	限值	单位	MDL	034	035	036
可溶性六价铬(CrVI)	0.020	mg/kg	0.010	ND	ND	ND
可溶性铅 (Pb)	2	mg/kg	0.5	ND	ND	ND
可溶性锑 (Sb)	45	mg/kg	1	ND	ND	ND
可溶性砷 (As)	3.8	mg/kg	0.5	ND	ND	ND
可溶性钡 (Ba)	1500	mg/kg	50	ND	ND	ND
可溶性镉 (Cd)	1.3	mg/kg	0.1	ND	ND	ND
可溶性三价铬 (CrIII)	37.5	mg/kg	5	ND	ND	ND
可溶性汞 (Hg)	7.5	mg/kg	0.5	ND	ND	ND
可溶性硒 (Se)	37.5	mg/kg	5	ND	ND	ND
可溶性硼 (B)	1200	mg/kg	50	ND	ND	ND
可溶性钴 (Co)	10.5	mg/kg	0.5	ND	ND	ND
可溶性锰 (Mn)	1200	mg/kg	50	ND	ND	ND
可溶性锶 (Sr)	4500	mg/kg	50	ND	ND	ND
可溶性锌 (Zn)	3750	mg/kg	50	ND	ND	ND
可溶性铜 (Cu)	622.5	mg/kg	50	ND	ND	ND
可溶性铝 (Al)	5625	mg/kg	50	ND	ND	ND
可溶性镍 (Ni)	75	mg/kg	10	ND	ND	ND
可溶性锡 (Sn)	15000	mg/kg	0.15	ND	ND	ND
可溶性有机锡*	0.9	mg/kg	-	ND	ND	ND

备注:

(1) *可溶性锡转化为可溶性有机锡后的含量没有超过EN 71-3:2019 中相应限量, 根据EN 71-3:2019的要求, 不需要额外测试可溶性有机锡的含量。

(2) 样品按照标准进行了脱蜡处理。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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测试报告

No. SHAHG1923757802

日期: 2019年11月08日 第10页,共27页

样品照片:



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