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Test Report

2 April, 2018

Type of Product : Artline PAINT MARKER

<Object:Ink> •EK-400XF (White)(Black)(Blue)(Red)(Green)(Brown)(Orange)(Purple)(Yellow)(Pink)(Light Blue)(Yellow Green)
 •EK-409XF (White)(Black)(Blue)(Red)(Green)(Yellow)
 •EK-440XF (White)(Black)(Blue)(Red)(Green)(Yellow)
 •EK-444XF (White)(Black)(Blue)(Red)(Green)(Yellow)

| Test Item | Colour | Result (unit mg/kg) | Minimum limit of determination | Testing Date |
|----------------------------------|-------------|------------------------|-----------------------------------|-------------------------------------|
| a) Lead and lead compounds | All colours | Not detected | 2 | 23 January, 2018 - 2 February, 2018 |
| b) Cadmium and cadmium compounds | All colours | Not detected | 2 | 23 January, 2018 - 2 February, 2018 |
| c) Mercury and mercury compounds | All colours | Not detected | 2 | 23 January, 2018 - 2 February, 2018 |
| d) Hexavalent chromium compounds | All colours | Not detected | 8 | 23 January, 2018 - 2 February, 2018 |
| e) PBBs/PBDEs | All colours | Not detected | 5 | 23 January, 2018 - 2 February, 2018 |
| f) DBP | All colours | Not detected | 50 | 23 January, 2018 - 2 February, 2018 |
| g) BBP | All colours | Not detected | 50 | 23 January, 2018 - 2 February, 2018 |
| h) DEHP | All colours | Not detected | 50 | 23 January, 2018 - 2 February, 2018 |
| i) DIBP | All colours | Not detected | 50 | 23 January, 2018 - 2 February, 2018 |

(Unit; mg/kg=ppm)

Analysis company : SGS-CSTC [Approved Signatory : Helen Liu]

Pretreatment:

a),b) IEC 62321-5:2013
 c) IEC 62321-4:2013+AMD1:2017
 d) IEC 62321-7-2:2017
 e) IEC 62321-6:2015
 f),g),h),i) IEC 62321-8:2017

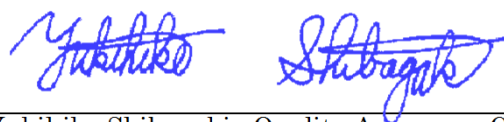
Analysis method:

a),b),c) ICP-OES,AAS
 d) UV-Vis
 e) GC-MS
 f),g),h),i) GC-MS



note) •A sample completely dissolved in preprocessing operation and performed quantitative analysis. (Lead,Cadmium,Mercury)
 “Not detected” means under the minimum limit of determination.

Shachihata Inc



Yukihiro Shibagaki Quality Assurance Gr.