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# Analytical Report

Sample code Nr.	295-2019-07000210	Sample reception date:	10.07.2019
		Analysed between:	10.07.2019 - 25.07.2019
Sample described as:	ペイントマーカー PX-20/PX-21用インク 黄 / Yellow Ink for PX-20/PX-21		

Result	ResultsUnit	LOQ
JQ001 JQ Cadmium Method: IEC 62321-5, ICP-MS, Preparation: Microwave digestion Cadmium (Cd)	<1 mg/kg	1
JQ018 JQ Lead Method: IEC 62321-5, ICP-MS, Preparation: Microwave digestion Lead (Pb)	<10 mg/kg	10
JQ035 JQ Mercury Method: IEC 62321-4, ICP-MS, Preparation: Microwave digestion Mercury (Hg)	<1 mg/kg	1
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS, Preparation: Microwave digestion Chromium (Cr)	<10 mg/kg	10
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Preparation: Solvent extraction Diethylhexylphthalate (DEHP)	<50 mg/kg	50
Dibutyl phthalate (DBP)	<50 mg/kg	50
Benzyl butyl phthalate (BBP)	<50 mg/kg	50
Di-isobutyl phthalate (DiBP)	<50 mg/kg	50

XRF	Results Unit	LOQ	Method
JQD17 JQ Bromine (Br)	<50 mg/kg	50	IEC 62321-3-1, XRF
If the element of target is influenced with other elements, it may be possible that DL is too high. [Normal DL;Cd,Pb:10ppm, Cr,Hg,Br:50ppm]			

• 19AV63  
 • 3σ value(ppm)・・・ Br:0.4  
 • [Total Chromium] was not detected, therefore it was determined that the amount of [Hexavalent Chromium] is less than the RoHS directive threshold.  
 • [Bromine] was not detected, therefore it was determined that the amount of [Bromine compounds] (PBB, PBDE etc.) is less than the RoHS directive threshold.

The tests identified by the two letters code JQ are performed in laboratory Eurofins Food and Product Testing (Yokohama).

Takayoshi Kaneko  
RoHS Analysis Group Director

\*\*\*\*\* END OF REPORT \*\*\*\*\*

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