

Analytical Report Nr. AR-20-JQ-002788-01-EN

Page 1/1

Batch code EUJPTO6-00005029

Date 15.07.2020

Eurofins Food and Product Testing Japan KK 2-1-13 Sachiura Kanazawa-ku JP-2360003 Yokohama - JAPAN

Analytical Report

Sample code Nr.	295-2020-06000312	Sample reception date:	30.06.2020
		Analysed between:	30.06.2020 - 14.07.2020
Sample described as:	ペイントマーカー PX-20/PX-21/PX	K-30用インク 銀 / Sil	ver Ink for PX-20/PX-21/PX-30

Result	ResultsUnit	LOQ	
JQ001 JQ Cadmium Method: IEC 62321-5, ICP-MS, Preparat	ion: Microwave digestion		
Cadmium (Cd)	<1 mg/kg	1	
JQ018 JQ Lead Method: IEC 62321-5, ICP-MS, Preparation: I	Vicrowave digestion		
Lead (Pb)	<10 mg/kg	10	
JQ035 JQ Mercury Method: IEC 62321-4, ICP-MS, Preparatic	n: Microwave digestion	0	
Mercury (Hg)	<1 mg/kg	10020	
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS, Pr	eparation: Microwave digestion	0/11/2020	
Chromium (Cr)	<10 mg/kg	10	
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Prepara	tion: Solvent extraction		
Diethylhexylphthalate (DEHP) Dibutyl phthalate (DBP) Benzyd butyl abthalate (PBP)	<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
			-:	Distantial Manage

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]

-20D0605

•3 σ value(ppm)···· Br:0.1

•[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 conpounds] (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).

Kanko

Takayoshi Kaneko Laboratory Director



Analytical Report Nr. AR-20-JQ-002786-01-EN

Page 1/1

Batch code EUJPTO6-00005029

Date 15.07.2020

Eurofins Food and Product Testing Japan KK 2-1-13 Sachiura Kanazawa-ku JP-2360003 Yokohama - JAPAN

Analytical Report

Sample code Nr.	295-2020-06000310	Sample reception date:	30.06.2020
		Analysed between:	30.06.2020 - 14.07.2020
Sample described as:	ペイントマーカー PX-20/PX-21/PX	K-30用インク 白 / White	e Ink for PX-20/PX-21/PX-30

Result	ResultsUnit	LOQ	
JQ001 JQ Cadmium Method: IEC 62321-5, ICP-MS, Preparat	ion: Microwave digestion		
Cadmium (Cd)	<1 mg/kg	1	
JQ018 JQ Lead Method: IEC 62321-5, ICP-MS, Preparation: I	Vicrowave digestion		
Lead (Pb)	<10 mg/kg	10	
JQ035 JQ Mercury Method: IEC 62321-4, ICP-MS, Preparatic	n: Microwave digestion	0	
Mercury (Hg)	<1 mg/kg	10020	
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS, Pr	eparation: Microwave digestion	0/11/2020	
Chromium (Cr)	<10 mg/kg	10	
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Prepara	tion: Solvent extraction		
Diethylhexylphthalate (DEHP) Dibutyl phthalate (DBP) Benzyd butyl abthalate (PBP)	<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
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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]

·20E0645T

•3 σ value(ppm)···· Br:0.7

•[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 conpounds] (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).

Kanko

Takayoshi Kaneko Laboratory Director



Analytical Report Nr. AR-20-JQ-002784-01-EN

Page 1/1

Batch code EUJPTO6-00005029

Date 15.07.2020

Eurofins Food and Product Testing Japan KK 2-1-13 Sachiura Kanazawa-ku JP-2360003 Yokohama - JAPAN

Analytical Report

Sample code Nr.	295-2020-06000308	Sample reception date:	30.06.2020
		Analysed between:	30.06.2020 - 14.07.2020
Sample described as:	ペイントマーカー PX-20/PX-21用-	インク 茶 / Brown Ink for	PX-20/PX-21

Result	ResultsUnit	LOQ	
JQ001 JQ Cadmium Method: IEC 62321-5, ICP-MS, Preparatio	n: Microwave digestion		
Cadmium (Cd)	<1 mg/kg	1	
JQ018 JQ Lead Method: IEC 62321-5, ICP-MS, Preparation: M	icrowave digestion		
Lead (Pb)	<10 mg/kg	10	
JQ035 JQ Mercury Method: IEC 62321-4, ICP-MS, Preparation	: Microwave digestion		
Mercury (Hg)	<1 mg/kg	01112020	
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS, Pre	paration: Microwave digestion	21111200	
Chromium (Cr)	<10 mg/kg	10	
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Preparation	on: Solvent extraction		
Diethylhexylphthalate (DEHP) Dibutyl phthalate (DBP)	<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]

•19H1401T

•3 σ value(ppm)···· Br:0.6

•[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 conpounds] (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).

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Takayoshi Kaneko Laboratory Director



Analytical Report Nr. AR-20-JQ-002779-01-EN

Batch code EUJPTO6-00005029

Date 15.07.2020

Eurofins Food and Product Testing Japan KK 2-1-13 Sachiura Kanazawa-ku JP-2360003 Yokohama - JAPAN

Analytical Report

Sample code Nr.	295-2020-06000303	Sample reception date:	30.06.2020
		Analysed between:	30.06.2020 - 14.07.2020
Sample described as:	ペイントマーカー PX-20/PX-21用	インク 緑 / Green Ink for	PX-20/PX-21

Result	ResultsUnit	LOQ	
JQ001 JQ Cadmium Method: IEC 62321-5, ICP-MS, Preparatio	n: Microwave digestion		
Cadmium (Cd)	<1 mg/kg	1	
JQ018 JQ Lead Method: IEC 62321-5, ICP-MS, Preparation: M	icrowave digestion		
Lead (Pb)	<10 mg/kg	10	
JQ035 JQ Mercury Method: IEC 62321-4, ICP-MS, Preparation	: Microwave digestion	0	
Mercury (Hg)	<1 mg/kg	01112020	
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS, Pre	paration: Microwave digestion	21111200	
Chromium (Cr)	<10 mg/kg	10	
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Preparation	on: Solvent extraction		
Diethylhexylphthalate (DEHP) Dibutyl phthalate (DBP)	<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]

·20E0505T

•3 σ 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 conpounds] (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).

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Takayoshi Kaneko Laboratory Director



Analytical Report Nr. AR-20-JQ-002777-01-EN

Batch code EUJPTO6-00005029

Date 15.07.2020

Eurofins Food and Product Testing Japan KK 2-1-13 Sachiura Kanazawa-ku JP-2360003 Yokohama - JAPAN

Analytical Report

Sample code Nr.	295-2020-06000301	Sample reception date:	30.06.2020
		Analysed between:	30.06.2020 - 14.07.2020
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, Prepa	ration: Microwave digestion		
Cadmium (Cd)	<1 mg/kg	1	
JQ018 JQ Lead Method: IEC 62321-5, ICP-MS, Preparation	n: Microwave digestion		
Lead (Pb)	<10 mg/kg	10	
JQ035 JQ Mercury Method: IEC 62321-4, ICP-MS, Prepara	ation: Microwave digestion	0	
Mercury (Hg)	<1 mg/kg	0111/2020	
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS,	Preparation: Microwave digestion	0111400	
Chromium (Cr)	<10 mg/kg	10	
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Prepa	aration: Solvent extraction		
Diethylhexylphthalate (DEHP) Dibutyl phthalate (DBP)	<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]

·20D1705T

•3 σ value(ppm)···· Br:0.6

•[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 conpounds] (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).

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Takayoshi Kaneko Laboratory Director



Analytical Report Nr. AR-20-JQ-002776-01-EN

Batch code EUJPTO6-00005029

Date 15.07.2020

Eurofins Food and Product Testing Japan KK 2-1-13 Sachiura Kanazawa-ku JP-2360003 Yokohama - JAPAN

Analytical Report

Sample code Nr.	295-2020-06000300	Sample reception date:	30.06.2020
		Analysed between:	30.06.2020 - 14.07.2020
Sample described as:	ペイントマーカー PX-20/PX-21用	インク 青 / Blue Ink for P2	X-20/PX-21

Result	ResultsUnit	LOQ	
JQ001 JQ Cadmium Method: IEC 62321-5, ICP-MS, Prepara	tion: 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, Preparati	on: Microwave digestion		
Mercury (Hg)	<1 mg/kg	0111/2020	
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS, P	reparation: Microwave digestion	01111605	
Chromium (Cr)	<10 mg/kg	10	
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Prepara	ation: Solvent extraction		
Diethylhexylphthalate (DEHP) Dibutyl phthalate (DBP)	<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]

·20D2305T

•3 σ value(ppm)···· Br:0.6

•[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 conpounds] (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).

Kanko

Takayoshi Kaneko Laboratory Director



Analytical Report Nr. AR-20-JQ-002775-01-EN

Page 1/1

Batch code EUJPTO6-00005029

Date 15.07.2020

Eurofins Food and Product Testing Japan KK 2-1-13 Sachiura Kanazawa-ku JP-2360003 Yokohama - JAPAN

Analytical Report

Sample code Nr.	295-2020-06000299	Sample reception date:	30.06.2020
		Analysed between:	30.06.2020 - 14.07.2020
Sample described as:	ペイントマーカー PX-20/PX-21用	インク 赤 / Red Ink for P>	K-20/PX-21

Result	ResultsUnit	LOQ	
JQ001 JQ Cadmium Method: IEC 62321-5, ICP-MS, Preparat	ion: Microwave digestion		
Cadmium (Cd)	<1 mg/kg	1	
JQ018 JQ Lead Method: IEC 62321-5, ICP-MS, Preparation: I	Vicrowave digestion		
Lead (Pb)	<10 mg/kg	10	
JQ035 JQ Mercury Method: IEC 62321-4, ICP-MS, Preparatic	n: Microwave digestion	0	
Mercury (Hg)	<1 mg/kg	011112020	
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS, Pr	eparation: Microwave digestion	0111400	
Chromium (Cr)	<10 mg/kg	10	
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Prepara	tion: Solvent extraction		
Diethylhexylphthalate (DEHP) Dibutyl phthalate (DBP)	<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]

·20E0605T

•3 σ value(ppm)···· Br:0.5

•[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 conpounds] (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).

Kanko

Takayoshi Kaneko Laboratory Director



Page 1/1

Analytical Report Nr. AR-20-JQ-002774-01-EN

Batch code EUJPTO6-00005029

Date 15.07.2020

Eurofins Food and Product Testing Japan KK 2-1-13 Sachiura Kanazawa-ku JP-2360003 Yokohama - JAPAN

Analytical Report

Sample code Nr.	295-2020-06000298	Sample reception date:	30.06.2020
		Analysed between:	30.06.2020 - 14.07.2020
Sample described as:	ペイントマーカー PX-20/PX-21用	インク 黒 / Black Ink for F	PX-20/PX-21

Result	ResultsUnit	LOQ	
JQ001 JQ Cadmium Method: IEC 62321-5, ICP-MS, Prepa	ration: Microwave digestion		
Cadmium (Cd)	<1 mg/kg	1	
JQ018 JQ Lead Method: IEC 62321-5, ICP-MS, Preparation	n: Microwave digestion		
Lead (Pb)	<10 mg/kg	10	
JQ035 JQ Mercury Method: IEC 62321-4, ICP-MS, Prepara	ation: Microwave digestion	0	
Mercury (Hg)	<1 mg/kg	0111/2020	
JQ043 JQ Total Chromium Method: IEC 62321-5, ICP-MS,	Preparation: Microwave digestion	0111400	
Chromium (Cr)	<10 mg/kg	10	
JQC58 JQ Phthalates Method: IEC 62321-8, GC-MS, Prepa	aration: Solvent extraction		
Diethylhexylphthalate (DEHP) Dibutyl phthalate (DBP)	<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]

·20D1704

•3 σ value(ppm)···· Br:0.1

•[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 conpounds] (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).

Kanko

Takayoshi Kaneko Laboratory Director