

Test Report

Number: SHAH0123258201

Applicant: LIAONING LIANGANG DYESTUFF CHEMICAL INDUSTRY CO., LTD
NO.108, LIAOAN ROAD, LIAOYANG CITY, LIAONING PROVINCE,
CHINA
Attn: JERRY ZHANG

Date: Jul 08, 2020

Sample Description:

Two (2) submitted samples said to be:
Item Name : (1) **Pigment Red 179**,
(2) **Pigment Red 149**.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

To be continued.

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager



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Tests Conducted

1 Metal and Metalloids Content

With reference to Appendix to Resolution AP(89) 1 on the use of colourants in plastic materials coming into contact with food, section II, paragraph 2.1, acid extraction method was used and metal and metalloids content were determined by Inductively Coupled Argon Plasma Spectrometry.

Elements	Tested Result (%)		Detection Limit (%)	Limit (%)
	Tested components (1)	Tested components (2)		
Sol. Barium (Ba)	ND	ND	0.0005	0.01
Sol. Lead (Pb)	ND	ND	0.0005	0.01
Sol. Cadmium (Cd)	ND	ND	0.0005	0.01
Sol. Antimony (Sb)	ND	ND	0.0005	0.05
Sol. Selenium (Se)	ND	ND	0.0005	0.01
Sol. Chromium (Cr)	ND	ND	0.0005	0.1
Sol. Mercury (Hg)	ND	ND	0.0005	0.005
Sol. Arsenic (As)	ND	ND	0.00025	0.01

Remark: Sol. = Soluble
 mg/kg = Milligram per kilogram
 ND = Not Detected

Conclusion:

Tested sample	Standard	Result
Tested components of submitted sample	GB9685-2016 National Food Safety Standards- Standards for Uses of Additives in Food Contact Materials and Articles -Metal and Metalloids Content	PASS

2 Polychlorinated biphenyls (PCBs) Content

With Reference To Council of Europe Resolution AP(89)1, solvent extraction and followed by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Tested Component	Tested Result (mg/kg)	Limit (mg/kg) (Max.)
(1)	ND	25
(2)	ND	25

Remark: Detection Limit = 5 mg/kg
 ND = Not Detected

PCBs test result was expressed as Decachlorobiphenyl.

Conclusion:

Tested Sample	Standard	Result
Tested components of submitted sample	GB9685-2016 National Food Safety Standards- Standards for Uses of Additives in Food Contact Materials and Articles - Polychlorinated biphenyls (PCBs) Content	PASS

To be continued.



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3 Aromatic Amines Content

With Reference To ETAD No.212, Followed By Ultraviolet-Visible Spectroscopy (UV-Vis) And Gas Chromatographic-Mass Spectrometric (GC-MS) Analysis.

Tested Compound	Tested Result (mg/kg)		Detection Limit (mg/kg)	Limit (mg/kg) (Max.)
	Tested Components (1)	Tested Components (2)		
Benzidine	ND	ND	3	10
2-Naphthylamine	ND	ND	3	10
4-Aminodiphenyl	ND	ND	3	10
Total Of Above Aromatic Amines	ND	ND	--	10
Primary Unsulphonated Aromatic Amines [#]	15.2	19.8	10	500

Remark: ND = Not Detected

#: The results are calculated as Aniline content.

Conclusion:

Tested Sample	Standard	Result
Tested components of submitted sample	GB9685-2016 National Food Safety Standards- Standards for Uses of Additives in Food Contact Materials and Articles	
	-- Aromatic Amines (3 kinds)	PASS
	-- Primary Unsulphonated Aromatic Amines	PASS

Tested Components:

- (1) Pigment Red 179,
- (2) Pigment Red 149.

Date Sample Received: Jun 22, 2020

Testing Period: Jun 22, 2020 to Jul 03, 2020

To be continued.



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End of report.

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