

**SY CHEMICAL CO., LTD.**

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The following sample(s) was/were submitted and identified on behalf of the clients as : **PIGMENT YELLOW 13**

**SGS Job No. :** SP21-001819 - SH  
**Date of Sample Received :** 20 Jan 2021  
**Testing Period :** 20 Jan 2021 - 02 Feb 2021  
**Test Requested :** Selected test(s) as requested by client.  
**Test Method :** Please refer to next page(s).  
**Test Results :** Please refer to next page(s).

**Result Summary :**

Test Requested	Conclusion
Resolution AP (89) 1-Aromatic amines	PASS
Resolution AP (89) 1-Metal and metalloids	PASS
Resolution AP (89) 1-Cadmium	PASS
Resolution AP (89) 1-Sulphonated aromatic amine	PASS
Resolution AP (89) 1-Polychlorinated biphenyls (PCBs)	PASS

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

*Tom Ni*

**Tom Ni**  
**Approved Signatory**

scan to see the report



SHAEC2101355001



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# Test Report

No. SHAEC2101355001

Date: 02 Feb 2021

Page 2 of 4

Test Results :

## Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA21-013550.001	Yellow powder	Pigment

Remarks :

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected ( < MDL)

## Resolution AP (89) 1-Aromatic amines

Test Method : With reference to Council of Europe committee of ministers-Resolution AP (89) 1.

Test Item(s)	Limit	Unit	MDL	001
Benzidine	10	mg/kg	3	ND
2-Naphthylamine	10	mg/kg	3	ND
4-Aminodiphenyl	10	mg/kg	3	ND
Total	10	mg/kg	-	ND
Primary unsulphonated aromatic amines*	500	mg/kg	10	ND
Conclusion				PASS

Notes :

Note: \* expressed as aniline

## Resolution AP (89) 1-Metal and metalloids

Test Method : With reference to Council of Europe committee of ministers-Resolution AP (89) 1, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001
Lead (Pb)	0.01	%	0.001	ND
Antimony (Sb)	0.05	%	0.001	ND
Arsenic (As)	0.01	%	0.001	ND
Barium (Ba)	0.01	%	0.001	ND



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## Test Report

No. SHAEC2101355001

Date: 02 Feb 2021

Page 3 of 4

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	0.01	%	0.001	ND
Chromium (Cr)	0.1	%	0.001	ND
Mercury (Hg)	0.005	%	0.001	ND
Selenium (Se)	0.01	%	0.001	ND
Conclusion				PASS

### Resolution AP (89) 1-Cadmium

Test Method : With reference to EN 1122: 2001, Method B.

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	★	mg/kg	5	ND
Conclusion				PASS

Notes :

★= Absent

### Resolution AP (89) 1-Sulphonated aromatic amine

Test Method : With reference to Council of Europe committee of ministers-Resolution AP (89) 1.

Test Item(s)	Limit	Unit	MDL	001
Sulphonated aromatic amines*	500	mg/kg	10	ND
Conclusion				PASS

Note:

\*Sulphonated aromatic amines tested are listed in below table, expressed as aniline sulphonic acid.

No.	Sulphonated Aromatic Amines	CAS No.
1	2-Amino-4-chloro-5-methylbenzenesulfonic acid	88-51-7
2	2-Amino-5-chloro-4-methylbenzenesulfonic acid	88-53-9
3	2-Amino-1-naphthalene sulfonic acid	81-16-3
4	2-Amino-5-methylbenzenesulfonic acid	88-44-8
5	2-nitro-4-sulfonic aniline	616-84-2
6	2-Amino-4,5-Dichlorobenzene Sulfonic Acid	6331-96-0
7	4-Amino-2,5-Dimethoxy-N-Phenylbenzenesulfonamide	52298-44-9
8	Methyl sulfonamide clexidine	49564-57-0



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Test Report

No. SHAEC2101355001

Date: 02 Feb 2021

Resolution AP (89) 1-Polychlorinated biphenyls (PCBs)

Test Method : With reference to Council of Europe committee of ministers-Resolutic

Test Item(s)	Limit	Unit	MDL	001
Polychlorinated Biphenyls (PCBs)	25	mg/kg	5	ND

Conclusion PASS

Notes : PCBs : Expressed as decachlorobiphenyl



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