

TEST REPORT

Report No. : GR:HL:6480025305

DATE : 31st October, 2015



MITTAL DYES AND CHEMICALS

39A/1, SITE NO. IV, INDUSTRIAL AREA
GHAZIABAD-201010
INDIA

CONTACT PERSON : MR. ASHWIN MITTAL

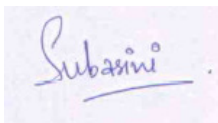
THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION	PHTHALOCYANINE ALPHA BLUE MBR-K-HS
BATCH NO.	AB0351352
CI NO.	PIGMENT BLUE 15.1
COUNTRY OF ORIGIN	INDIA
SAMPLE RECD ON	20/10/2015
TEST PERFORMING DATE	21/10/2015 TO 31/10/2015

RESULT SUMMARY

TESTS NAME	COMMENTS
EXTRACTABLE HEAVY METAL (With ref . to AP-89 (1))	PASS
POLYCHLOROBIPHENYL(PCB) (With Ref. to AP(89) 1 By GC-MS)	SEE RESULTS
AROMATIC AMINES (With Ref. to AP(89) 1 By HPLC DAD)	SEE RESULTS

Per Pro SGS India Pvt Ltd.



Subasini Saraswat
Asst. Manager

Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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RESULTS:

EXTRACTABLE HEAVY METAL

Test Method : With ref . to AP-89 (1) followed by analysis using ICP-OES.

Stimulent Used : 0.1M Hcl

Temperature : 23°C±3°C

S.No	ELEMENT	RESULTS -1 (mg/kg)	MAX. PERMISSIBLE LIMIT (%)
1	Extractable Lead (Pb)	ND	0.01
2	Extractable Cadmium(Cd)	ND	0.01
3	Extractable Chromium (Cr)	ND	0.10
4	Extractable Arsenic (As)	ND	0.01
5	Extractable Mercury(Hg)	ND	0.01
6	Extractable Antimony(Sb)	ND	0.05
7	Extractable Barium(Ba)	ND	0.01
8.	Extractable Selenium(Se)	ND	0.01
Conclusion		Pass	--

Tested Sample Name: 1: PHTHALOCYANINE ALPHA BLUE MBR-K-HS

Note:

1. mg/kg = milligram per kilogram,
2. ND = Not Detected
3. Testing has been performed as per client's request.
4. 1% = 10000 ppm

POLYCHLORO BIPHENYLS (PCB)

Method: With Ref. to AP(89) 1 By GC-MS

POLYCHLORO BIPHENYL	RESULT
2,2',3,3,4',4,5,5',6,6'-Deca chlorobiphenyl 2',2,3,3',4,4,5',5,6'-Nonochlorobiphenyl 2,2,3',3,4,4',5,5'-Octa chlorobiphenyl 2,2,3',4,5,5',6'-Heptachlorobiphenyl 2,2,3',3,6,6'-Hexachlorobiphenyl 2,3,4',5,6'-Pentachlorobiphenyl 2,2,4',4'-Tetrachlorobiphenyl 2,4',5'-Trichlorobiphenyl 3,3-Di chlorobiphenyl 2-Chlorobiphenyl	PHTHALOCYANINE ALPHA BLUE MBR-K-HS : ND (DL : 0.1 mg/kg)

Note:

1. Above test is subcontracted to SGS approved lab.
2. ppm = parts per million=mg/kg
3. ND = Not Detected , DL= Detection Limit

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AROMATIC AMINES

Method: With Ref. to AP(89) 1 By HPLC DAD

<u>Amines Substances</u>	<u>Test Method</u>	<u>Result</u>	<u>Detection Limit</u>
Aniline	With Ref. to AP(89) 1 By HPLC DAD	ND	10 ppm
Benzidine		ND	
2-Naphthylamine		ND	
4-Aminobiphenyl		ND	

Sample Discription : 1. PHTHALOCYANINE ALPHA BLUE MBR-K-HS

Note:

1. Above test is subcontracted to SGS India Pvt. Ltd. Chennai Branch.
2. ppm = parts per million=mg/kg
3. ND = Not Detected , DL= Detection Limit
4. Testing has been performed as per client's request.

Sample as Received



***** End of Report *****