

Rapport d'Essais / Tests Report

Aix les Milles, le 21 avril 2015

RAPPORT D'ESSAI / *Test report* : CL15-01564 Révision 02

Page 1 sur 2

Emetteur / Contact : M CHRETIEN Michael
Produit / Product : PEINTURE AU DOIGT 6
 COULEURS GIOTTO DITA 100ML
Commande /Order : DA 15653 - MC
Reçu le / Received : 27/02/2015
Devis / Price offer : DC15-00675

OMYACOLOR S.A.
 ROUTE DE MARSON

51240 ST GERMAIN LA VILLE
 FRANCE



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The present document voids and replaces any previously issued document of the same job reference. It must be destroyed or returned to the laboratory.

Essais demandés / <i>Tests requested</i>	Conclusion
NF EN 71 Partie 7 : 2014 <i>NF EN 71 Part 7 : 2014</i>	Conforme <i>Pass</i>



P/I Fabien SORRANT
 Adjoint Responsable unité jouets
Toys assistant manager

Valerie DEFEIGNIES
 Adjoint Responsable unité jouets
Toys assistant manager

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Description de l'échantillon

Sample description

Description : Peinture aux doigts 6 couleurs.

Description : Finger paint 6 colors.

Début des essais / *beginning of test* : 06/03/2015

Fin des essais / *end of test* : 09/04/2015

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Test Report

No.T31520180603TC-01

Date: APR 21, 2015

Page 1 of 10

OMYACOLOR S.A.
ROUTE DE MARSON 51240 ST GERMAIN LA VILLE

This report supersedes all previous documents bearing the test report number T31520180603TC.

The following samples were submitted and identified on behalf of the client as:

GOUACHE AU DOIGT GIOTTO DITA 200ML - REF.535000

SGS Case No. : CA315201807549
SGS Ref. No. : CL15-01564
P.O. No. : BC_15-0201-T
Sample Receiving Date : MAR 17, 2015
Last Information Date : APR 15, 2015
Testing Period : MAR 17, 2015 TO APR 16, 2015

<u>Test Requested</u>	<u>Result</u>
For compliance with the European Standard on Safety of Toys :- - EN71 Part 7:2014 – Finger paints – Requirements and test methods	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS Hong Kong Ltd.

To Man Wah, Po
Section Manager

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Test Report

No.T31520180603TC-01

Date: APR 21, 2015

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Results:

European Standard on Safety of Toys

Finger paints – Requirements and test methods

As specified in European standard on safety of toys EN71 Part 7:2014

– Only applicable clauses are showed

<u>Clause</u>	<u>Description</u>	<u>Results</u>
4	Requirements	PASS
4.1	General	PASS
4.2	Colourants	PASS
4.2.1	Only colourants and coloring materials which are not fulfilling the hazard criteria in 4.1 shall be used in finger paints – Pigment white 6 (CAS 13463-67-7) – Pigment yellow 1 (CAS 2512-29-0) – Pigment red 48:2 (CAS 7023-61-2) – Pigment green 7 (CAS 1328-53-6) – Pigment blue 15 (CAS 147-14-8) – Pigment black 6 (CAS 1333-86-4)	PASS
4.2.2	Finger paints shall not contain azo colourants that by cleavage of one or more azo groups can produce primary aromatic amines listed in Tables 1 and 2 of the standard when tested in accordance with the test method specified in Annex D	Refer to Clause 4.5.1
4.3	Preservatives Only Preservatives list in Annex B of the standard can be used. The “Maximum allowed concentration” and “Limitations and requirements” shall be fulfilled. – Preservative list in Annex B : – 2-phenylphenol (CAS 90-43-7) – Bronopol (CAS 52-51-7) – 2-Phenoxyethanol (CAS 122-99-6) – Methylparaben (CAS 99-76-3)	PASS
4.4	Limits for the migration of certain elements	PASS (See Note 1)
4.5	Limits for impurities	
4.5.1	Limits for primary aromatic amines	PASS (See Note 2)
4.5.2	Limits for other impurities	PASS (See Note 3)
4.6	Taste and smell – Embittering agent shall be added – 0.01% denatonium benzoate (CAS 3734-33-6)	PASS PASS
4.7	pH-value	PASS (See Note 4)

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<u>Clause</u>	<u>Description</u>	<u>Results</u>
4.8	Binding agents, extenders, humectants and surfactants – Compounds list in Annex C of the standard are acceptable to be used – Calcium carbonate (CAS 1317-65-3) as extender – Starch (CAS 9005-25-8) as binding agents – Syrups, hydrolyzed starch, hydrogenated (CAS 68425-17-2) as binding agents – FOAMASTER 2306 (MSDS provided) as surfactant	PASS
4.9	N-Nitrosamines	PASS (See Note 5)
4.10	Containers Containers which are likely to lead to or promote confusion with foodstuffs shall not be used.	PASS
5	Product information	PASS
5.1	General – Marking visible, easily legible, indelible, understandable and accurate. All marking shall be in the national language(s) of the country of sale – If the container is also the primary packaging all information under 5.2.1 shall also be given on the container.	PASS PASS PASS Not Applicable
5.2	Marking	PASS
	5.2.1 Primary packaging	
	5.2.1.1 Manufacturer's identification The primary packaging shall bear the name, tradename and/or trade mark and the address of the manufacturer, his authorized representative or the importer	PASS
	5.2.1.2 Labelling phrases – The primary packaging shall carry the following warning: "Warning. Children under 3 years of age should be supervised by adults." – Finger paints supplied in powder form should bear instructions that indicate how to mix with water and in particular, the correct ratio of water to powder. It shall additionally bear the following warning: "Warning. Mix with water in accordance with the instructions before giving to a child."	PASS PASS Not Applicable
	5.2.1.3 Indication of preservative(s) and embittering agent(s) – The primary packaging shall be labeled with an indication of the preservative(s) and embittering agent(s) used	PASS
	5.2.2 Container The container shall bear the name, trade name and/ or trade mark and the address of the manufacturer, his authorized representative or the importer. Manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or, where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.	PASS

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Note 1

Limits for the migration of certain elements

Method : With reference to EN71-3:2013+A1 2014. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV/VIS and organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)	MDL	Permissible Limit
Specimen No.	1 - 6	--	--
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al) (mg/kg)	ND	50	1,406
Soluble Antimony (Sb) (mg/kg)	ND	1	11.3
Soluble Arsenic (As) (mg/kg)	ND	0.5	0.9
Soluble Barium (Ba) (mg/kg)	ND	50	375
Soluble Boron (B) (mg/kg)	ND	50	300
Soluble Cadmium (Cd) (mg/kg)	ND	0.1	0.3
Soluble Chromium (Cr) (mg/kg)	ND	0.005	--
Soluble Chromium (III) [#] (Cr (III)) (mg/kg)	--	1	9.4
Soluble Chromium (VI) [#] (Cr (VI)) (mg/kg)	--	0.005	0.005
Soluble Cobalt (Co) (mg/kg)	ND	0.5	2.6
Soluble Copper (Cu) (mg/kg)	ND	50	156
Soluble Lead (Pb) (mg/kg)	ND	0.5	3.4
Soluble Manganese (Mn) (mg/kg)	ND	50	300
Soluble Mercury (Hg) (mg/kg)	ND	0.5	1.9
Soluble Nickel (Ni) (mg/kg)	ND	10	18.8
Soluble Selenium (Se) (mg/kg)	ND	5	9.4
Soluble Strontium (Sr) (mg/kg)	ND	50	1,125
Soluble Tin (Sn) (mg/kg)	ND	0.08	3,750
Soluble Organic Tin [^] (mg/kg)	--	--	0.2
Soluble Zinc (Zn) (mg/kg)	ND	50	938

Specimen Description:

1. Blue paint (Finger paint)
2. Green paint (Finger paint)
3. Yellow paint (Finger paint)
4. Black paint (Finger paint)
5. Red paint (Finger paint)
6. White paint (Finger paint)

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- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - 1% = 10000 mg/kg = 10000 ppm
 - # Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3:2013+A1 2014
 - ^ Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3:2013+A1 2014.

Note 2

Limits for primary aromatic amines

Method : With reference to EN71-7:2002 Annex D. Analysis was performed by Gas Chromatography – Mass Selective Detector (GC-MSD) and High Performance Liquid Chromatography – Diode Array Detector / Mass Spectrometry (HPLC-DAD/MS).

Primary Aromatic Amines	CAS-No.	Result (mg/kg)	Reporting Limit (mg/kg)	Requirement
		1 – 6		
Benzidine	92-87-5	ND	5	Prohibited
2-naphthylamine	91-59-8	ND	5	Prohibited
4-chlor-o-toluidine	95-69-2	ND	5	Prohibited
4-aminodiphenyl	92-67-1	ND	5	Prohibited
Comment	--	PASS	--	--

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Primary Aromatic Amines	CAS-No.	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
		1 – 6		
o-aminoazotoluene/ 4-o-tolylazo-o-toluidine	97-56-3	ND	5	10
2-amino-4-nitrotoluol/5-nitro-o-toluidine	99-55-8	ND	5	10
4-chloroaniline	106-47-8	ND	5	10
2,4-diaminoanisole	615-05-4	ND	5	10
4,4'-diaminodiphenylmethane/ 4,4'-methylenedi-o-toluidine	101-77-9	ND	5	10
3,3'-dichlorobenzidine	91-94-1	ND	5	10
3,3'-dimethoxybenzidine	119-90-4	ND	5	10
3,3'-dimethylbenzidine	119-93-7	ND	5	10
3,3'-dimethyl-4,4'- diaminodiphenylmethane	838-88-0	ND	5	10
p-cresidine/6-methoxy-m-toluidine	120-71-8	ND	5	10
2,2'-dichloro-4,4'methylene-dianiline/ 4,4'-methylen-bis-2-chloro-aniline	101-14-4	ND	5	10
4,4'-oxydianiline	101-80-4	ND	5	10
4,4'-thiodianiline	139-65-1	ND	5	10
o-toluidine	95-53-4	ND	5	10
2,4-Xylidine	95-68-1	ND	5	10
2,6-Xylidine	87-62-7	ND	5	10
4-Amino-3-fluorophenol	399-95-1	ND	5	10
2-methoxyaniline/o-anisidine	90-04-0	ND	5	10
4-aminoazobenzene	60-09-3	ND	5	10
4-methyl-m-phenylenediamine/ Toluene-2,4-diamine	95-80-7	ND	5	10
2,4,5-trimethylaniline	137-17-7	ND	5	10
Aniline	62-53-3	ND	5	10
Total	--	ND	--	20
Comment	--	PASS		

Specimen Description :

1. Blue paint (Finger paint)
2. Green paint (Finger paint)
3. Yellow paint (Finger paint)
4. Black paint (Finger paint)
5. Red paint (Finger paint)
6. White paint (Finger paint)

Note : 1. mg/kg = milligram per kilogram
2. ND = Not Detected

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Note 3

Limits for other impurities

Method : With reference to EN71-7:2002 Annex E. Analysis was performed by Gas Chromatography – Mass Selective (GC-MS).

	CAS-No.	Result (mg/kg)	Reporting Limit (mg/kg)	Requirement (mg/kg)
		1 – 6		
2,4,4'-Trichlorobiphenyl (PCB 28)	7012-37-5	ND	0.2	--
2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	35693-99-3	ND	0.2	--
2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	37680-73-2	ND	0.2	--
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	31508-00-6	ND	0.2	--
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	35065-28-2	ND	0.2	--
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	35065-27-1	ND	0.2	--
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	35065-29-3	ND	0.2	--
Total PCBs	--	ND	--	2
Comment	--	PASS	--	--

	Result (mg/kg)	Reporting Limit (mg/kg)	Requirement (mg/kg)
	1 – 6		
Hexachlorobenzene	ND	0.5	5
Comment	PASS	--	--

Specimen Description :

1. Blue paint (Finger paint)
2. Green paint (Finger paint)
3. Yellow paint (Finger paint)
4. Black paint (Finger paint)
5. Red paint (Finger paint)
6. White paint (Finger paint)

	Result (mg/kg)	Reporting Limit (mg/kg)	Requirement (mg/kg)
	1		
Benzo(a)pyrene (BaP)	ND	0.02	0.05
Comment	PASS	--	--

Specimen Description :

1. Black paint (Finger paint)

Note : 1. mg/kg = milligram per kilogram
2. ND = Not Detected

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Note 4

pH-value

Method : With reference to ISO 787-9:1981.

Test Item	Result			Requirement
	1	2	3	
pH value	8.9	9.0	9.0	> 4 and < 10
Comment	PASS	PASS	PASS	--

Test Item	Result			Requirement
	4	5	6	
pH value	8.9	8.9	9.0	> 4 and < 10
Comment	PASS	PASS	PASS	--

Specimen Description :

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Note 5

Limits for the N-Nitrosamines

Test Method : With reference to EN 71-12:2013 clause 7.3 ,clause 8 & clause 9.1. Analysis was performed by LC-MS-MS.

	Result (mg/kg)	Reporting Limit (mg/kg)	Requirement (mg/kg)
	1 – 6		
N-nitrosodiethanolamine(NDELA)	ND	0.02	--
N-Nitrosodimethylamine (NDMA)	ND	0.02	--
N-Nitrosodiethylamine (NDEA)	ND	0.02	--
N-Nitrosodipropylamine (NDPA)	ND	0.02	--
N-nitrosodiisopropylamine (NDiPA)	ND	0.02	--
N-nitrosodibutylamine(NDBA)	ND	0.02	--
N-nitrosodiisobutylamine (NDiBA)	ND	0.02	--
N-nitrosodiisononylamine (NDiNA)	ND	0.02	--
N-nitrosomorpholine(NMOR)	ND	0.02	--
N-nitrosopiperidine (NPIP)	ND	0.02	--
N-nitrosodibenzylamine(NDBzA)	ND	0.02	--
N-nitroso-N-methyl-N-phenylamine (NMPPhA)	ND	0.02	--
N-nitroso-N-ethyl-N-phenylamine (NEPhA)	ND	0.02	--
Sum of N-Nitrosamines	ND	--	0.02
Comment	PASS	--	--

Specimen Description :

1. Blue paint (Finger paint)
2. Green paint (Finger paint)
3. Yellow paint (Finger paint)
4. Black paint (Finger paint)
5. Red paint (Finger paint)
6. White paint (Finger paint)

 Note : 1. mg/kg = milligram per kilogram
 2. ND = Not Detected

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Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

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