

**Test Report** No. KE/2020/31167 Report Issue Date : Mar 26, 2020 Page 1 of 3

New Prismatic Enterprise Co., Ltd.  
4F., No. 203-1, Yung Feng Rd., Tu-Cheng District, New Taipei City 236, Taiwan

The following sample(s) was / were submitted and identified on behalf of the client as :

Material Name : Memory Type Pigment 50C Black  
Color : Black  
Style / Item No. : TM-PD W50-0 3141  
Material Composition : Organic Pigment  
Sample Submitted By : New Prismatic Enterprise Co., Ltd.  
Sample Receiving Date : Mar 20, 2020  
Testing Period : Mar 20, 2020 ~ Mar 26, 2020

Test Method & Results : Please refer to next page(s).

  
**Ray Chang Ph.D. / Manager - Tech**  
Signed for and on behalf of  
**SGS Taiwan Limited**  
Chemical Laboratory-Kaohsiung



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Test Results :

## EN71-3: 2019 – Migration of certain elements

Category I: Dry, brittle, powder-like or pliable toy material

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by LC-ICP-MS. Organic Tin was analyzed by GC-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Reference Limit** (mg/kg)
		1		
Soluble Aluminium (Al)		n.d.	50	5,625
Soluble Antimony (Sb)		n.d.	1	45
Soluble Arsenic (As)		n.d.	0.5	3.8
Soluble Barium (Ba)		n.d.	50	1,500
Soluble Boron (B)		n.d.	50	1,200
Soluble Cadmium (Cd)		n.d.	0.1	1.3
Soluble Chromium (Cr)		n.d.	0.01	--
Soluble Chromium (III) (Cr (III))		n.d.	5	37.5
Soluble Chromium (VI) (Cr (VI))		n.d.	0.01	0.02
Soluble Cobalt (Co)		n.d.	0.5	10.5
Soluble Copper (Cu)		n.d.	50	622.5
Soluble Lead (Pb)		n.d.	0.5	2.0
Soluble Manganese (Mn)		n.d.	50	1,200
Soluble Mercury (Hg)		n.d.	0.5	7.5
Soluble Nickel (Ni)		n.d.	10	75
Soluble Selenium (Se)		n.d.	5	37.5
Soluble Strontium (Sr)		n.d.	50	4,500
Soluble Zinc (Zn)		n.d.	50	3,750
Soluble Tin (Sn)		n.d.	0.36	15,000
Soluble Organic Tin	--	n.d.	--	0.9

Test Item(s)	Soluble Organic Tin Result(s) (mg/kg)		MDL (mg/kg)
		1	
Methyl tin (MeT)		n.d.	0.135
Dimethyl tin (DMT)		n.d.	0.135
Di-n-propyl tin (DProT)		n.d.	0.135
Butyl tin (BuT)		n.d.	0.135
Dibutyl tin (DBT)		n.d.	0.135
Tributyl tin (TBT)		n.d.	0.135
n-Octyl tin (MOT)		n.d.	0.135
Tetra-butyl tin (TeBT)		n.d.	0.135
Diphenyl tin (DPhT)		n.d.	0.135
Di-n-octyl tin (DOT)		n.d.	0.135

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Test Item(s)	Soluble Organic Tin Result(s) (mg/kg)		MDL (mg/kg)
	1		
Triphenyl tin (TPHT)	n.d.		0.135

### Sample Description :

- Black Organic Pigment

Note : - mg/kg = milligram per kilogram  
 - n.d. = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

Remark : \*\* = Test requirement in the submitted sample is not applicable. The product scope that mentioned by European Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 is for toy material.

### Sample Photo

# KE/2020/31167



SGS authenticate the photo on original report only

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

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