

Test Report

Report No.: SFW22200551 Report Issue Date : Feb 23, 2022 Page 1 of 3

New Prismatic Enterprise Co., Ltd.
No.203-1, Yongfeng Rd., Tucheng Dist., New Taipei City 236004, Taiwan

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

Material Name	:	Photochromic Dye #84 Amethyst
Color	:	White Sand
Style / Item No.	:	UV-OP 2084
Style Name	:	Powder
Material Composition	:	Organic Dye
Color after UV Light Excitation	:	Amethyst
Sample Submitted By	:	New Prismatic Enterprise Co., Ltd.

* * * *

Sample Receiving Date	:	Feb 17, 2022
Testing Period	:	Feb 17, 2022 - Feb 23, 2022

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

Ray Chang

Ray Chang, Ph.D. / Department Manager
Signed for and on behalf of
SGS Taiwan Ltd.
Chemical Laboratory-Kaohsiung



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

Report No.: SFW22200551

Report Issue Date : Feb 23, 2022

Page 2 of 3

Test Results :

EN71-3: 2019 + A1:2021 – Migration of certain elements

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

Method : With reference to EN71-3: 2019 + A1:2021. 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 Aluminum	(Al)	n.d.	50	2,250
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 (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)		MDL (mg/kg)
	(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
Tetrabutyl tin (TeBT)	n.d.		0.135
Diphenyl tin (DPhT)	n.d.		0.135
Di-n-octyl tin (DOT)	n.d.		0.135
Triphenyl tin (TPhT)	n.d.		0.135

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

Report No.: SFW22200551

Report Issue Date : Feb 23, 2022

Page 3 of 3

Sample Description :

1. White Sand Powder

Note : - mg/kg = milligram per kilogram

- n.d. = Not Detected

- 1 % = 10000 mg/kg = 10000 ppm

- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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

SFW22200551



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.