



CONSUMER PRODUCTS SERVICES DIVISION

SHENZHEN SMARTY MOTIONS COMPANY LIMITED

Technical Report: (8523)109-0280
Date Received: April 19, 2023

April 27, 2023
Page 1 of 6

ERNEST
SHENZHEN SMARTY MOTIONS COMPANY LIMITED
2/F.,NO.3, SHANMEN FIRST INDUSTRIAL ZONE
SHANMEN COMMUNITY
YANLUO STREET, BAOAN DISTRICT
SHENZHEN, GUANGDONG
CHINA

Sample Description:	数独游戏	Sample Size:	5
Vendor:	N/A	Style No(s):	AF-SD2201
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	4+	Ref #:	N/A
Appropriate Age Grade:	NOT REQUESTED	Country of Origin:	CHINA
Client Specified Age Grade:	NOT SPECIFIED	Assortment No.:	N/A
Tested Age Grade:	OVER 4 YEARS OF AGE		
UPC Code:	N/A		

EXECUTIVE SUMMARY:

The sample(s) MEET the following requirement(s):

- The phthalates plasticizers (BBP, DBP, DEHP, DNOP, DINP and DIDP) content requirements of the People's Republic of China National Standard GB 6675.1-2014 "Toys Safety – Part 1: Basic Code", Section 5.3.7.
- The migration of certain elements requirements of the People's Republic of China National Standard GB 6675.1-2014 "Toys Safety – Part 1: Basic Code", Sections 5.3.3 and 5.3.5, and GB 6675.4-2014 "Safety of toys - Part 4: Migration of certain element", Section 4.1.



SHENZHEN SMARTY MOTIONS COMPANY LIMITED

Technical Report: **(8523)109-0280**

April 27, 2023

Page 2 of 6

EXECUTIVE SUMMARY:

NOTE: If there are questions or concerns regarding above report, please contact the appropriate lab persons.

Technical questions & concerns:

Sam Luo / Ryna Liu/ Jerry Yang
(+86)755-8618-5292 / 8618-5354 / 8613-5643
sam.luo@bureauveritas.com
ryna.liu@bureauveritas.com
jerry.yang@bureauveritas.com

General Enquiries:

Wallace Liu
(+86)755-8618-5212
wallace.liu@bureauveritas.com

BUREAU VERITAS SHENZHEN CO.,LTD.

Choy Hon Kwong, Adams
Deputy Director
Analytical Department

AC / eo



SHENZHEN SMARTY MOTIONS COMPANY LIMITED

Technical Report: **(8523)109-0280**

April 27, 2023

Page 3 of 6

RESULTS:

MIGRATION OF CERTAIN ELEMENTS (The People's Republic of China National Standard GB 6675.1-2014, Sections 5.3.3 and 5.3.5 and GB 6675.4-2014, Section 4.1)

Test Method: The People's Republic of China National Standard GB 6675.4-2014, Section 8.

Sample Identity	Color / Component	Location	Style
Type II: Polymeric Materials			
A.	clear laminated multi-color printed white paper	cards	-
B.	clear plastic laminated multi-color printed white soft plastic	tokens	-
C.	clear laminated multi-color printed white/grey paper	box	-
Type III: Paper And Paper Board			
D.	multi-color printed white paper/ white thread	book	-

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit All except Type VIII, XI & XII (mg/kg)	25	1000	75	60	60	90	60	500
Max. Limit Type VIII (mg/kg)	25	250	50	25	25	90	60	500
Max. Limit Type XI & XII (mg/kg)	10	350	15	25	10	25	10	50
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Sample	Result (mg/kg)								(g)	
A.	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	-	PASS
B.	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	-	PASS
C.	LT 2	7	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	-	PASS
D.	LT 2	3	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	-	PASS



SHENZHEN SMARTY MOTIONS COMPANY LIMITED

Technical Report: **(8523)109-0280**

April 27, 2023

Page 4 of 6

RESULTS:

MIGRATION OF CERTAIN ELEMENTS (The People's Republic of China National Standard GB 6675.1-2014, Sections 5.3.3 and 5.3.5 and GB 6675.4-2014, Section 4.1)

mg/kg = milligrams per kilogram (ppm=parts per million)
CR = adjusted analytical result
LT = Less Than

As = Arsenic, Ba = Barium, Cd = Cadmium,
Cr = Chromium, Hg = Mercury, Pb = Lead,
Sb = Antimony, Se = Selenium

List of Material Types :			
Type	Material Description(s)	Type	Material Description(s)
I	Coatings	VII	Materials Intended To Leave A Trace
II	Polymeric Materials	VIII	Modelling Clay
III	Paper And Paper Board	IX	Pliable Modeling Materials – Non-Modelling Clay
IV	Textiles	X	Paints, Powders & Similar Materials
V	Glass / Ceramic / Metallic Materials	XI	Finger Paint
VI	Other Materials Whether Mass Coloured Or Not	XII	Toy cosmetics



SHENZHEN SMARTY MOTIONS COMPANY LIMITED

Technical Report: **(8523)109-0280**

April 27, 2023

Page 5 of 6

RESULTS:

PHthalATES PLASTICIZERS CONTENTS (The People's Republic of China National Standard GB 6675.1-2014, Section 5.3.7)

Test Method: GB/T 22048-2015, Method A

Sample Identity	Test Component	Location	Style
A.	clear laminated multi-color printed white paper	cards	-
	clear plastic laminated multi-color printed white soft plastic	tokens	-
	clear laminated multi-color printed white/grey paper	box	-
B.	all coating (> 4 colors)	book	-

Category	All Toys Included Mouthable Parts				Mouthable Parts				Conclusion
	BBP	DBP	DEHP	Sum of 3	DNOP	DINP	DIDP	Sum of 3	
Limit (%):	-	-	-	0.1	-	-	-	0.1	
Sample	Result (%)								
A.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass
B.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass

BBP = Butyl benzyl phthalate
DBP = Dibutyl phthalate
DEHP = Di(2-ethylhexyl) phthalate
DNOP = Di-n-octyl phthalate
DINP = Di-iso-nonyl phthalate
DIDP = Di-iso-decyl phthalate

Results reported in percentage
LT = Less than



**BUREAU
VERITAS**

SHENZHEN SMARTY MOTIONS COMPANY LIMITED

Technical Report: **(8523)109-0280**

April 27, 2023

Page 6 of 6

RESULTS:



Sample Number
(8523)109-0280

END OF REPORT