TECHNICAL REPORT

for

Diana Jensen
Damsgaard Jensen Web
Samsoegade 27, 2
8000 Aarhus
Denmark

Customer Order No:	Diana Jensen	**Job Reference:**	AA223-2777
Supplied by:	Hangzhou Kuangs Textile Co Ltd	**Date Work Confirmed:**	08/06/2022
Supplying to:	Autismshoppen, dk, Legevaerset.dk	**Date Completed:**	22/06/2022

Testing to Weighted Therapeutic Plush Toy, 2KG

The samples tested in this report have been assessed against the requirements of the specifications listed for the SELECTED TESTS ONLY. Statements of compliance against any specification relate exclusively to the sample tested as requested by the client and may not be representative of full specification testing:

EN 71-1:2014 + A1:2018 Mechanical and Physical,
EN71-2:2020 Flammability and
EN71-3:2019+A1:2021 Migration of Certain Elements (selective)

According to the requirements, the sample(s) were found to:

Comply

with the requirements of the above specification.

Additional comments/information (if relevant)

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Jack Barber
Technical Report Writer

Shaun Pope
Laboratory Operations Manager

DETAILS OF SAMPLE RECEIVED

Sample Reference	Description	Unique Reference/Identifier
S1	Weighted Therapeutic Plush Toy, 2KG	-
S2	Eyes	-
S3	Ears/Tail	-
S4	Main Body - Fur	-
S5	Nose	-
S6	A SIL	-

TEST RESULTS – EN 71-1:2014 + A1:2018 Mechanical and Physical (SC)

Sample Reference	Section	Criteria	Observations	Pass/Fail	Uncertainty of Measurement (±)
S1	4.1	Material Cleanliness	The toys and their materials were visually clean and free from infestation	**Pass**	-
S1	4.7	Edges	No accessible sharp edges or hazardous burrs were found	**Pass**	-
S1	4.8	Points and metallic wires	No technically accessible wires or sharp points were found	**Pass**	-
S1	5.1	Under 3 years – General requirements	Soak washing prior to testing of toys intended for children under 36 months is not required by this standard (it is a requirement of EC Directive 2009/48/EC), it was therefore not carried out. The toy itself did not fit inside a small parts cylinder. The toy had no prohibited removable components. The toy did not produce any prohibited parts that fitted inside a small parts cylinder or accessible sharp edges or accessible sharp points after torque tests, tension tests, drop tests, impact test and compression test. There were no magnets or magnetic components and no wires with a cross section of less than 2mm in the toy. The toy did no possess any accessible springs nor any metal points or wires. The toy was not a large or bulky toy, nor a glued wooden toy, nor did it have glued on plastic decals. The toy did not have a casing which could crack.	**Pass**	-

Sample Reference	Section	Criteria	Observations	Pass/Fail	Uncertainty of Measurement (±)
S1	5.2	Under 3 years – Soft-filled toys or parts	No hard or sharp contaminants were found within the filling material. The toys contained small parts and had seams which after testing did not allow the front part of probe A to be inserted.	**Pass**	-
S1	5.4	Under 3 years – Cords, chains etc.	No tangled loops or nooses could be formed, no fixed loops, free lengths or electrical cables were present.	**Pass**	-
S1	7.1	Labelling – General	No warnings required.	**Pass**	-
S1	7.3-7.22	Labelling – Specific warnings	The toy was not of a type that requires a specific warning.	**Pass**	-

TEST RESULTS – EN71-2:2020 Flammability (SC)

Sample Reference	Section	Criteria	Observations	Pass/Fail	Uncertainty of Measurement (±)
S1	4.1	General requirements	No celluloid or material with the same behaviour in fire present. The pile fabrics present did not exhibit a flash effect upon the approach of the flame. No flammable gases, extremely flammable liquids or prohibited highly flammable liquids, flammable liquids or flammable gels were contained by the toy.	**Pass**	-
S1	4.5	Soft-filled toys	The maximum unhindered vertical soft-filled height of the toy was greater than 150mm. The maximum rate of spread of flame allowed is 30mm/sec. A test flame application caused ignition, the flames self-extinguished without reaching the top surface of the toy.	**Pass**	-

TEST RESULTS - EN71-3:2019+A1:2021 Migration of Certain Elements (selective) (SC)

	†Extractable Heavy Metals – EN 71-3:2019+A1:2021 Category III (mg/kg)																	
	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Cadmium (Cd)	Chromium (Cr)	Lead (Pb)	Mercury (Hg)	Selenium (Se)	Zinc (Zn)	Copper (Cu)	Boron (B)	Cobalt (Co)	Aluminium (Al)	Manganese (Mn)	Nickel (Ni)	Strontium (Sr)	Tin (Sn)	Organic Tin	
Limit	560	47	18,750	17	460	23	94	460	46,000	7,700	15,000	130	28,130	15,000	930	56,000	180,000	12	
Uncertainty of Measurement (±) (%)	33.17	24.50	33.17	24.50	24.50	33.17	33.17	24.50	20.62	20.62	24.50	24.50	20.62	20.62	24.50	20.62	-	-	
S2	1.3	<0.3	<2	<0.03	<0.030	<0.3	<0.3	<3	<1	<1	<4	<0.1	<3	<1	<1	0.8	<2	<12	**Pass**
S3	1.6	<0.3	<2	0.17	<0.030	<0.3	<0.3	<3	<1	<1	<4	<0.1	3	<1	<1	0.5	<2	<12	**Pass**
S4	1.0	<0.3	<2	0.04	<0.030	<0.3	<0.3	<3	<1	<1	<4	<0.1	7	<1	<1	0.6	<2	<12	**Pass**
S5	7.0	<0.3	<2	<0.03	<0.030	<0.3	<0.3	<3	<1	<1	<4	<0.1	<3	<1	<1	1.2	<2	<12	**Pass**
S6	5.9	<0.3	<2	0.03	<0.030	<0.3	<0.3	<3	<1	<1	<4	<0.1	<3	<1	<1	<0.5	<2	<12	**Pass**

The migration of tin from the sample(s) was determined to be not greater than 4.9 mg/kg, which, when expressed in the form of tributyl tin, would not be greater than the organic tin limit of 12 mg/kg, the material(s) can therefore be inferred as complying with the organic tin limit.

The migration of chromium from the sample(s) was not greater than the chromium III limit of 460 mg/kg or the chromium VI limit of 0.053 mg/kg, the material(s) can therefore be inferred as complying with the chromium III and chromium VI limits.

Uncertainty of Measurement and Decision Rules

A non-binary simple acceptance decision rule base on guard bands has been used as the decision rule. The guard band is equal to the expanded standard deviation stated in the test result table. When the difference between the test result and the requirement is less than or equal to the expanded uncertainty of measurement, then a risk of false acceptance or false rejection is possible. The risk of false acceptance or false rejection is 2.5% based on a conformance probability of 97.5%.

STANDARD TECHNICAL NOTES

(All may not be applicable)

Terms and Conditions	Our Terms and Conditions of Testing can be found at www.blcleathertech.com
†	Tests within the scope of accreditation. Test without † are not UKAS accredited.
Sampling Location	Unless specified in the test report, sample was taken from the official sampling location according to †BS EN ISO 2418:2017. If the sample was supplied as a swatch from the customer, sampling according to †BS EN ISO 2418:2017 is not possible.
SC	Test performed by a competent, Eurofins | BLC approved partner laboratory
I/S	Insufficient Sample was submitted to perform the test
Opinions	Any opinions and interpretations expressed in this test report are based on current knowledge and experience and fall outside of the scope of ISO 17025 accreditation
Sample disposal	Stable samples will be disposed of after 6 weeks unless otherwise instructed. All other samples will be disposed of on completion of testing
Conditioning	Where necessary, the sample was conditioned and tested at 23°C ± 2°C and 50% ± 5% RH as specified in the reference standard atmosphere requirements of BS EN ISO 2419:2012 (leather) or in the alternative specific standard atmosphere requirements of BS EN ISO 139:2005+A1:2011 (textile).
Composite analysis	If the result multiplied by the number of composited samples exceeds the requirement, then testing of the individual samples may be performed or recommended.
Azo dyes analysis	Accreditation excludes: 2,4–Diaminoanisole
Chemical Analysis	Certain tests such as: Phthalates, Carcinogenic dyes, Allergenic disperse dyes, PAHs, Azo dyes, Organotins, Nitrosamines and Pesticides have multiple elements tested. For a full list of chemicals tested within these analyses please refer to the specification cited within this report. For further information contact info@blcleathertech.com
Decision Rule and Uncertainty of Measurement	Unless requested, the Eurofins | BLC's decision rule and estimated uncertainties of measurement will be used. For further information, please visit Conformity and Uncertainty of Measurement in Testing (blcleathertech.com)