

TEST REPORT

<b>Report Ref.</b>	LEI20012513A Original		
<b>Date Received</b>	21/01/2020	<b>Date Issued</b>	27/02/2020

<b>Company Name &amp; Address</b>	Cygnets Yarns Ltd 12-14 Adelaide Street Bradford, BD5 0EA GBR
<b>Contact Name</b>	Katie Stephenson

<b>Order Number</b>	Po070120
<b>Sample Description</b>	Hand Knitting Yarn
<b>Ref / Style Number</b>	Pure Wool Superwash Dk
<b>Colour</b>	2156 Bluebell
<b>Quality</b>	Pure Wool Dk
<b>Supplier</b>	[REDACTED]
<b>Batch Number</b>	620810
<b>End Use</b>	Toys&Garments
<b>Quoted Fibre Composition</b>	100% Pure Wool
<b>Retailer</b>	General

Test	Method	Sample	Result
^Migration of Toxic Elements	EN 71-3:2013+A3:2018		Pass

Tests marked (^) in this report have been performed by an approved 3rd party laboratory.  
Tests marked (\*) in this report are not included in our UKAS scope of accreditation.



Michael Harrow  
(Specialist Technician)



**^Migration of Toxic Elements EN 71-3:2013+A3:2018**

	Result in mg/kg	Detection Limit in mg/kg	Requirement in mg/kg
Sample 1: Navy Thread			
Antimony (Sb)	ND	0.2ppm	560
Arsenic (As)	ND	0.1ppm	47
Barium (Ba)	ND	100ppm	18750
Cadmium (Cd)	ND	0.125ppm	17
Chromium (III)	ND	0.004ppm	460
Lead (Pb)	ND	0.125ppm	23
Mercury (Hg)	ND	0.05ppm	94
Selenium (Se)	ND	3ppm	460
Aluminium (Al)	ND	400ppm	70000
Boron (B)	ND	100ppm	15000
Cobalt (Co)	ND	0.5ppm	130
Copper (Cu)	ND	50ppm	7700
Manganese (Mn)	ND	100ppm	15000
Nickel (Ni)	ND	6ppm	930
Strontium (Sr)	ND	250ppm	56000
Tin (Sn)	ND	0.2ppm	180000
Zinc (Zn)	ND	300ppm	46000
Chromium (VI)	ND	0.0025ppm	0.053
Organic Tin	ND	0.2ppm	12
Remark:	mg/kg = milligram per kilogram		
	- Unless the test results were marked with # or Δ, Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.		
	- The new lead migration limit 2.0mg/kg for Category (I), 0.5mg/kg for Category (II) and 23 mg/kg for Category (III) was quoted from directive (EU) 2017/738 amending 2009/48/EC effective from 28 October 2018		
	- Organic tin test result was expressed as tributyl tin		

Overall Test Result: Pass  
Uncertainty: ±9%



*This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or willful misconduct.*

*The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of  $k = 2$ , providing a level of confidence of approximately 95 %. Any Pass/Fail statements do not take into account the Measurement of Uncertainty. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are close to Specification Limits / Requirements.*

