

## TEST REPORT

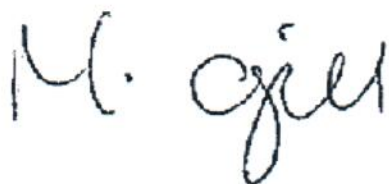
<b>Report Ref.</b>	LEI20012510A Original		
<b>Date Received</b>	21/01/2020	<b>Date Issued</b>	24/01/2020

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

<b>Order Number</b>	PO 070120
<b>Sample Description</b>	Hand Knitting Yarn
<b>Ref / Style Number</b>	Pato Dk
<b>Colour</b>	968 Cloud
<b>Quality</b>	Pato Everyday Dk
<b>Supplier</b>	[REDACTED]
<b>Batch Number</b>	622343
<b>End Use</b>	Toys&Garments
<b>Quoted Fibre Composition</b>	100% Acrylic
<b>Retailer</b>	General

Test	Method	Sample	Result
^Migration of Toxic Elements	EN 71-3:2013+A3:2018	968 Cloud	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.



Matthew Gill  
(Specialist Team Leader)



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

Sample: 968 Cloud

	Result in mg/kg	Detection Limit in mg/kg	Requirement in mg/kg
Sample 1: Blue Thread			
Antimony (Sb)	Not Detected	0.2 ppm	560
Arsenic (As)	Not Detected	0.1 ppm	47
Barium (Ba)	Not Detected	100 ppm	18750
Cadmium (Cd)	Not Detected	0.125 ppm	17
Chromium (III)	Not Detected	0.004 ppm	460
Lead (Pb)	Not Detected	0.125 ppm	23
Mercury (Hg)	Not Detected	0.05 ppm	94
Selenium (Se)	Not Detected	3 ppm	460
Aluminium (Al)	Not Detected	400 ppm	70000
Boron (B)	Not Detected	100 ppm	15000
Cobalt (Co)	Not Detected	0.5 ppm	130
Copper (Cu)	Not Detected	50 ppm	7700
Manganese (Mn)	Not Detected	100 ppm	15000
Nickel (Ni)	Not Detected	6 ppm	930
Strontium (Sr)	Not Detected	250 ppm	56000
Tin (Sn)	Not Detected	0.2 ppm	180000
Zinc (Zn)	Not Detected	300 ppm	46000
Chromium (VI)	Not Detected	0.0025 ppm	0.053
Organic Tin	Not Detected	0.2 ppm	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%



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*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.*

