



Final Report

Case#: 17-279
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Case ID		Coordinator	
		RESEARCH	
	Unknown Species (Reported As)	Sex / Fixed	Age
		Not Given /	

Forensic Pathology

Forensic Consultation Report - Verified: 01/17/18 1:51 PM by TP2



MACROSCOPIC EXAMINATION REPORT:

Submitted is a single sealed package of Dentley's Rawhide Rolls. There are 5 individual rawhide products within the package. The material is firm and could not be easily unrolled during manipulation. The rolled product is tan in color. Each roll is approximately 13 cm in width and the roll is 2-3 cm in diameter.

One product is removed from the packaging and is placed in deionized water to allow for rehydration. The product is immersed within water for approximately 6 hours and is easily unrolled at this point. The rolled material is tough and not able to be manually torn. The material is easily cut with a scalpel blade. One surface of the rolled material is smooth and the other side is irregular. The unrolled product measures 13.1 cm in width, 9.7 cm in length and 0.4 cm in thickness.

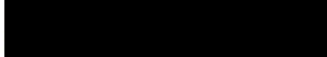
COMMENTS:

Histologic examination of the product will be performed and results will be filed when they become available.

Adam W. Stern, DVM, CMI-IV, CFC, Diplomate ACVP
Clinical Associate Professor

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17279 Stern



HISTOPATHOLOGY REPORT:

SLIDES 1-4, Rolled material: Eight sections are examined. The material appears to be composed of streams of eosinophilic material (no observable nuclei) with scattered regions of relatively distinct margins. The material is birefringent using polarized light. The diameter of this material varies (random sampling of measurements 27 um, 28 um, 30 um, and 33 um). Interspersed within the material are multiple clear spaces (artifact of processing vs. empty space within material). There are scattered regions of basophilic granular material within the eosinophilic material, suggestive of foci of mineralization.

COMMENTS:

The product examined is from a known rawhide product. The rolled product appears to be composed of collagen-like material. I did not observed any striations within the material that would allow for identification of muscle. I am not able to identify any vasculature within the sections examined.

The histomorphology of this product serves as a control product to allow for comparison of this product to the product examined in case #17-217 (No-Hide Salmon Chews, Earth Animal). Based on histomorphology, the composition of the rolled product in both cases is extremely similar when viewed microscopically with a majority of the product examined in #17-217 being composed of eosinophilic material similar to that of the product examined in #17-279. Figure 1A is an image of #17-217 (No-Hide Salmon Chews, Earth Animal) and Figure 1B is an image of #17-279 (Dentley's Rawhide Rolls).

Based on my evaluation of both products, I suspect that the product from #17-217 is composed of material similar to that of #17-279.

No further tests are pending.

Adam W. Stern, DVM, CMI-IV, CFC, Diplomate ACVP
Clinical Associate Professor

Histology

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<u>Test</u>	<u>Quantity</u>	<u>Units</u>
Research H & E	4	Slides
Research Embedding	4	Blocks



Figure 1A: Image of #17-217 (No Hide Salmon Chews, Earth Animal)



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