



CLIENT:

Company:	Zeodorizer, LLC
Address:	20258 US Hwy 18
	Apple Valley, CA 92307

TEST MATERIAL:

Date Material Received:	April 16, 2024
Test Date:	April 26, 2024
Material Type:	Infill & Pet Deodorizer
Material Condition:	Excellent, New
Infill Identification:	Zeodorizer

TEST METHODS REQUESTED:

Testing Services, Inc was instructed by the client to perform the following testing...			
Standard:	Odor Elimination	Test Method:	Ammonia Concentration

SAMPLING PLAN:

Sampling Date:	4/26/24
<ul style="list-style-type: none"> Specimen sampling is performed in the sampling department at TSI. The sampling size of specimens is determined by the test method requirements. In the event a specific sampling size is not called for, a determination will be made based on previous testing experience, and approved for use by an authorized manager. All samples are subjected to the outside environmental conditions of temperature and relative humidity. Sample requiring pre-determined exposure to specified environmental conditions based on a specific test method, take place in the departments in which they are tested 	

DEVIATION FROM TEST METHOD:

State reason for any Deviation from, Additions to, or Exclusions from Test Method.	
None	

TEST OBJECTIVE:

> Determine the concentration of ammonia after 60 minutes and 24 hours after application of synthetic cat urine.

EQUIPMENT:

Chamber: Vacuum Desiccator
Gas Pump: GasTec® Model #: GV-100S
Detection Tubes: GasTec® No. 3L & 3La Ammonia

PROCEDURE:

60 grams of the above referenced infill was poured into a glass dish. 20ml of synthetic cat urine was directly applied to the infill. The glass dish was placed on the bottom floor of the vacuum desiccator with the lid of the desiccator placed on top to seal the test sample. After sixty minutes of the application of urine, the ammonia concentration was recorded using a GasTec® hand-held gas pump. The concentration was then determined by reading the interface of the stained to un-stained reagent in ppm's. This process was repeated after 24 hours to determine a % odor reduction from initial application vs after 24 hours.

TEST DATA:

Infill	Extraction Time		Ammonia (NH ₃)			
			Desiccator A		Desiccator B	
Zeodorizer	60 minutes	After Application	>100	ppm	>100	ppm
	24 hours	After Application	No Detection	ppm	No Detection	ppm

After 24 hours, Zeodorizer had completely eliminated the concentration of ammonia into the air.

Notes:

We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information given to us using the latest test methods available. TSI can only ensure the test results for the specific items tested. Unless otherwise noted in the deviation sections of this report, all tests are performed in compliance with the stated test method.

Test Report Approval:

Erle Miles, III, Lab Director Testing Services (TSI) LLC

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