

**Indoor Allergen Analysis Report**  
**Allergen Analysis Results**

 InBio™ Services

**Batch ID:** 18-0088M

E=ELISA, M=MARIA, T=Endotoxin, Z=Enzyme

**EMLab P&K - Arizona**

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**Project ID#** 1888716

**Date Received:** 3/7/2018

**Date Assayed:** 3/9/2018

**Date Reported:** 3/9/2018 5:12:27 PM

Der p 1 and Der f 1 results reported as microgram allergen per gram dust.

<b>Accession:</b>	<b>Sample:</b>	<b>Mite Allergens:</b>		<b>Cat:</b>	<b>Dog:</b>	<b>Cockroach:</b>
		<b>Der p 1</b>	<b>Der f 1</b>	<b>Fel d 1</b>	<b>Can f 1</b>	<b>Bla g 2</b>
218-0350	JFK030118V01 L03	<0.012	<0.012			
218-0351	JFK030118V02 L23	<0.012	<0.012			
218-0352	JFK030118V03 M18	<0.012	<0.012			
218-0353	JFK030118V04 U04	<0.012	<0.012			

**NES = Insufficient sample for the assay**

**The reporting limits are 0.012 ug/g for Der p 1 and Der f 1.**

Der p 1 and Der f 1 results reported as microgram allergen per gram dust.

Accession:	Sample:	Mite Allergens:		Cat:	Dog:	Cockroach:	
		Der p 1	Der f 1	Fel d 1	Can f 1	Bla g 1	Bla g 2
Guidelines:	The following guidelines for Dermatophagoides mite, cat, dog and cockroach allergen levels in house dust have been proposed:					1,2,3,6	
		MITE Group 1		CAT/DOG		Bla g 1	Bla g 2
LOW	(not sufficient to cause allergic symptoms)	< 2 µg Mite Group 1/g dust		< 0.2 µg Fel d 1 or Can f 1/g dust		< 0.10 µg Bla g 1/g dust	< 0.20 µg Bla g 2/g dust
SIGNIFICANT	(risk for sensitization and bronchial hyperactivity)	2-10 µg Mite Group 1/g dust		8-20 µg Fel d 1 or Can f 1/g dust		0.10-0.80 µg Bla g 1/g dust	0.20-0.4 µg Bla g 2/g dust
HIGH	(risk for acute asthmatic attack)	> 10 µg Mite Group 1/g dust		1-8 µg Fel d 1 or Can f 1/g dust		>0.80 µg Bla g 1/g dust	> 1 µg Bla g 2/g dust

**CAT/DOG** The results of two studies have observed that increased exposure to high levels of Fel d 1 and Can f 1 have caused individuals to develop a tolerance, which means that individuals could potentially be exposed to 8-20ug/g dust and only experience mild allergic symptoms. Individuals with less exposure to high levels of Fel d 1 and Can f 1 (1-8ug/g dust) may experience more severe allergic symptoms. 2,4,6

**COCKROACH** Allergen exposure threshold levels for sensitization have been published in Units/g dust. Some investigators feel that any detectable level of cockroach allergen is clinically significant because its presence identifies a building in which persons who are cockroach allergic are at risk to develop symptoms because of exposure. 5,6

1. J. Allergy Clin Immunol 1989; 83:416-427.
2. Amer Rev Respir Dis 1990; 141:361-367
3. Amer Rev Respir Dis 1993; 147:573-578
4. Amer J Res Crit Care Med 1997; 155:94-98
5. J. Allergy Clin Immunol 1997; 100:S1-S24
6. Pediatric Allergy Principles and Practice 2003; 261-68

\* This report furnishes information only and is not intended to be an interpretation of the results. Whether an individual suffers allergic symptoms or not depends not only on the level of allergens in his/her environment but also on his/her medical history and previous exposure.

Report reviewed and approved by:  
Stephanie Filep, BS  
Director of Laboratory Services



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The reporting limits are 0.012 ug/g for Der p 1 and Der f 1.