

Comparison HDM batches

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In this article we present all of the data we have available for our *D. pteronyssinus* house dust mite extract and the *D. farinae* HDM extract. We have compared our available batches with each other and we have also performed a stability study over the last 5 years.

Based on this information, you can make a substantiated choice for a suitable extract. This means you are assured of stable and reliable material for your research.

Batches *D. pteronyssinus* extract

In the table below we have collected the available data from our *D. pteronyssinus* extract. This data can also be found on the certificates of analysis which we deliver with our products. The first 2 numbers of the charge number stands for the year of production, for example 20B12 was produced in 2020 and 15G10 was produced in 2015.

02.01.85	Bradford		BCA		ELISA Der p 1		ELISA Der f 1		ELISA Group 2		Endotoxin	
	Result		Result		Result		Result		Result		Result	
Charge												
20B12	44-56	mg/g	355-383	mg/g	40-45	mg/g	0,00	mg/g	2,4-2,9	mg/g	195-5479	EU/mg
20A05	57-63	mg/g	375-393	mg/g	37-45	mg/g	0,00	mg/g	3,7	mg/g	1100-5400	EU/mg
18G08	72	mg/g	233	mg/g	38	mg/g	0,01	mg/g	3,4	mg/g	301	EU/mg
15G10	68	mg/g	291	mg/g	31	mg/g	0,00	mg/g	4,5	mg/g	4600	EU/mg
15J01	69	mg/g	284	mg/g	46	mg/g	0,00	mg/g	4,5	mg/g	5144	EU/mg
15J02	64	mg/g	198	mg/g	30	mg/g	0,00	mg/g	4,5	mg/g	1100	EU/mg

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02.01.85	Cysteine activity		Serine Protease		Serine Protease		Serine Protease		Bioburden		Water (%)	Mycoplasma
	Result		Result		Result		Result		TSA (CFU/mg)	SDA (CFU/mg)	Water (KF) %	
Charge	gr1		Trypsine (gr3)		Chymotrypsine (gr6)		Elastase (gr9)					
20B12	5899-6196	U/mg	347-567	mU/mg	2,7-4,2	mU/mg	0-0,01	mU/mg	135-300	21-38	5,9-7,6	Negative
20A05	5900-170000	U/mg	474-595	mU/mg	5,2-5,3	mU/mg	0-0,01	mU/mg	45-360	27-37	8,5-10	Negative
18G08	3400000	U/mg	0	mU/mg	0,7	mU/mg	0,03	mU/mg	28	0,2	1,9	
15G10	5185	U/mg		mU/mg		mU/mg		mU/mg				
15J01	5248	U/mg		mU/mg		mU/mg		mU/mg				
15J02	5650	U/mg		mU/mg		mU/mg		mU/mg				

Batches *D. farinae* extract

In the table below we have collected the available data from our *D. farinae* extract. This data can also be found on the certificates of analysis which we deliver with our products. The first 2 numbers of the charge number stands for the year of production, for example 19K19 was produced in 2019 and 15G06 was produced in 2015.

02.02.85	Bradford		BCA		ELISA Der p 1		ELISA Der f 1		ELISA Group 2		Endotoxin	
	Result		Result		Result		Result		Result		Result	
Charge												
19K10 (9 mg)	109	mg/g	410	mg/g	0,01	mg/g	19,2	mg/g	1,78	mg/g	2864	EU/mg
19K10 (90 mg)	107	mg/g	405	mg/g	0,01	mg/g	21,7	mg/g	1,78	mg/g	9664	EU/mg
18L21	95	mg/g	490	mg/g	0,00	mg/g	9,25	mg/g	1	mg/g	62	EU/mg
15G06	57	mg/g	369	mg/g	0,01	mg/g	12,3	mg/g	7,5	mg/g	610000	EU/mg

In the table below we have collected the available data from our *D. farinae* extract. This data can also be found on the certificates of analysis which we deliver with our products. The first 2 numbers of the charge number stands for the year of production, for example 19K19 was produced in 2019 and 15G06 was produced in 2015.

02.02.85	Cysteine activity		Serine Protease		Serine Protease		Serine Protease		Bioburden		Water (%)	Mycoplasma
	Result		Result		Result		Result		TSA (CFU/mg)	SDA (CFU/mg)	Water (KF) %	
Charge	gr1		Trypsine (gr3)		Chymotrypsine (gr6)		Elastase (gr9)					
19K10 (9 mg)	5899	U/mg	425	mU/mg	4,6	mU/mg	0,19	mU/mg	3	4	1,3	Negative
19K10 (90 mg)	2466	U/mg	11960	mU/mg	110	mU/mg	-0,01	mU/mg	1	3	4,0	Negative
18L21	8500	U/mg	45	mU/mg					5	<1	9,6	
15G06												

Batches low endotoxin HDM extracts

In the table below we have collected the available data from our *D. pteronyssinus* and *D. farinae* low endotoxin extracts. This data can also be found on the certificates of analysis which we deliver with our products.

- Batches 19A17 and 18K01 are the *D. pteronyssinus* low-endo extracts
- Batch 19A18 is the *D. farinae* low-endo extract.

02.01.64	Bradford		BCA		ELISA Der p 1		ELISA Der f 1		ELISA Group 2		Endotoxin	
	Result		Result		Result		Result		Result		Result	
Charge												
19A17	36	mg/g	216	mg/g	21	mg/g	<0,00	mg/g	2,9	mg/g	51	EU/mg
18K01	17	mg/g	88	mg/g	10	mg/g	0,01	mg/g	2,7	mg/g	49	EU/mg

02.02.64	Bradford		BCA		ELISA Der p 1		ELISA Der f 1		ELISA Group 2		Endotoxin	
	Result		Result		Result		Result		Result		Result	
Charge												
19A18	30	mg/g	168	mg/g	<0,00	mg/g	9	mg/g	1,0	mg/g	478	EU/mg

Stability study D. pteronyssinus extracts

We have performed stability studies to see if our [D. pteronyssinus extracts](#) are still stable. We collected data over the course of 5 years and the conclusion is that the HDM extracts are still within the limits although there is a change. The limits are based on the European Pharmacopoeia Monography of allergens (01/2010:1063). Because we have multiple large batches which are produced in 2015 it is important for you to know that these batches are still reliable. In the table below you can find the stability for 4 of our D. pteronyssinus (02.01.85) batches.

02.01.85		Bradford	BCA	Der p 1	Der f 1	Group 2	Endotoxin	Cysteine activity	Serine Protease activity			Bioburden		Water (KF)	Myco plasma
		mg/g	mg/g	mg/g	mg/g	mg/g	EU/mg	U/mg	mU/mg	mU/mg	mU/mg	TSA (CFU/mg)	SDA (CFU/mg)	%	
Charge	Date							gr1	Trypsine (gr3)	Chymotrypsine (gr6)	Elastase (gr9)				
20B12	mrt-20	44-56	355-383	40-45	0,00	2,4-2,9	195-5479	5899-6196	347-567	2,7-4,2	0-0,01	135-300	21-38	5,9-7,6	Negative
	jun-20	39	321	27	0,00	2,6									
15G10	sep-15	68	291	31	0,00	4,5	4600								
	apr-16	62	358	23		4,2									
	mrt-17											199	30		
	feb-19	66	382	27	0,01	1,6	8124					249	5	8,8	
	jun-20	51	339	13	0,00	2,3	1850	5185				59	1	10,7	Negative
15J01	sep-15	69	284	46	0,00	4,5	5144								
	apr-16	58	372	23	0,00	4,2									
	mrt-17											116	20		
	feb-19	63	400	34	0,00	1,6						77	2	9,3	
	jun-20	53	341	15	0,00	2,4	2273	5248				53	1	10,9	Negative
15J02	sep-15	64	198	30	0,00	4,5	1100								
	apr-16	72	359	33	0,02	5,2	2619								
	mrt-17											118	3		
	feb-19	85	409	39	0,00	1,6						134	7	7,1	
	jun-20	61	363	19	0,00	2,4	1369	5650				2	1	10,3	Negative

Stability study D. farinae extracts

We have performed stability studies to see if our [D. farinae](#) extracts are still stable. We collected data over the course of 5 years and the conclusion is that the HDM extracts are still within the limits although there is a change. In the table below you can find the stability for 3 of our D. farinae (02.02.85) batches.

More information about the stability of our extracts can be found [on this page](#).

02.02.85		Bradford	BCA	Der p 1	Der f 1	Group 2	Endotoxin	Cysteine activity	Serine Protease activity			Bioburden		Water (KF)	Myco plasma
		mg/g	mg/g	mg/g	mg/g	mg/g	EU/mg	U/mg	mU/mg	mU/mg	mU/mg	TSA (CFU/mg)	SDA (CFU/mg)	%	
Charge	Date							gr1	Trypsine (gr3)	Chymotrypsine (gr6)	Elastase (gr9)				
19K10	jan-20	109	410	0,01	19,2	1,78	2864	5899	425	4,6	0,19	3	4	1,3	Negative
	feb-20	131	403	0,02	15,7							12	6	4,2	
	mei-20	90	362	0,05	25,3	1,18									
18L21	dec-18	95	490	0,00	9,3	1,00	62	8509	44			5	<1	9,6	
	feb-20	75	572	0,01	11,7		4871					11	463	10,3	
	mei-20	69	495	0,01	11,9	0,93									
	aug-20						118								
15G06	jul-20	57	369	0,01	12,3	7,5	610000								
	feb-19													11,9	
	nov-19	62	445												
	feb-20	48	364	0,00	12,3							889	288	9,5	
	jun-20	54	351	0,00	8,1	0,3	12217					618	1		Negative