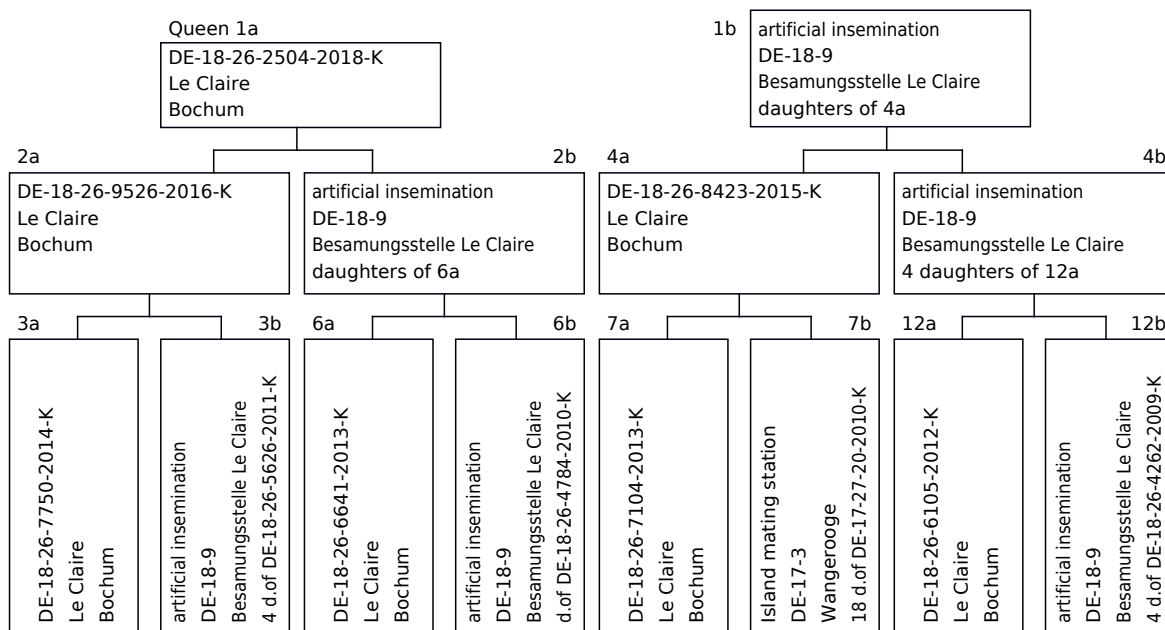


Tester of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26, Apiary 4
 Breeder of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26
1a Studbook number: **DE-18-26-2504-2018-K**

Race line: Sign: red 4 Daughters of Queen: 2.8%
 Generation: Hatch date: 08.06.2018 Workers: 4.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 32			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	71.2	126	3	25	56.5	
	Assessment*	Breeding values				Reliability
Total breeding value¹	-	110				
Honey yield	-	118				0.36
Defensive behavior	4	106				0.51
Steadiness on comb	4	110				0.51
Swarming drive	4	101				0.37
Varroa	-	104				0.27
Performance index	-	109				0.4
Robustness in winter	4		70%	100%	170%	
Development in Spring	4					
Colony strength	4					

¹In accordance with the resolution of the breeder convention of 9th April 2011, for the total breeding value, Varroa tolerance is weighted by 40% and honey yield, gentleness, calmness during inspection, and swarming tendency are each weighted by 15%.

C. Performance of the sisters

See page 2

D. Body features, see appendix

none Analysis of race characteristics

E. Results

Class Av

Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

Breeding selection report DE-18-26-2504-2018-K

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Performance of the sisters

Amount of checked sisters: 6

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-18-26-2505-2018	DE-18-26	2	108	55.6	118	4	109	4	110	2	99	100	108
DE-18-26-2512-2018	DE-18-26	3	102	46.2	109	3.5	101	3.5	104	3	96	98	102
DE-18-26-2504-2018-K	DE-18-26	4	110	71.2	118	4	106	4	110	4	101	104	109
DE-18-26-2509-2018	DE-18-26	4	107	52.4	111	4	106	4	110	4	101	100	107
DE-18-26-2510-2018	DE-18-26	4	109	54.9	112	4	106	4	110	4	101	103	107
DE-18-26-2511-2018	DE-18-26	4	106	55.7	112	4	106	4	110	4	101	97	107