

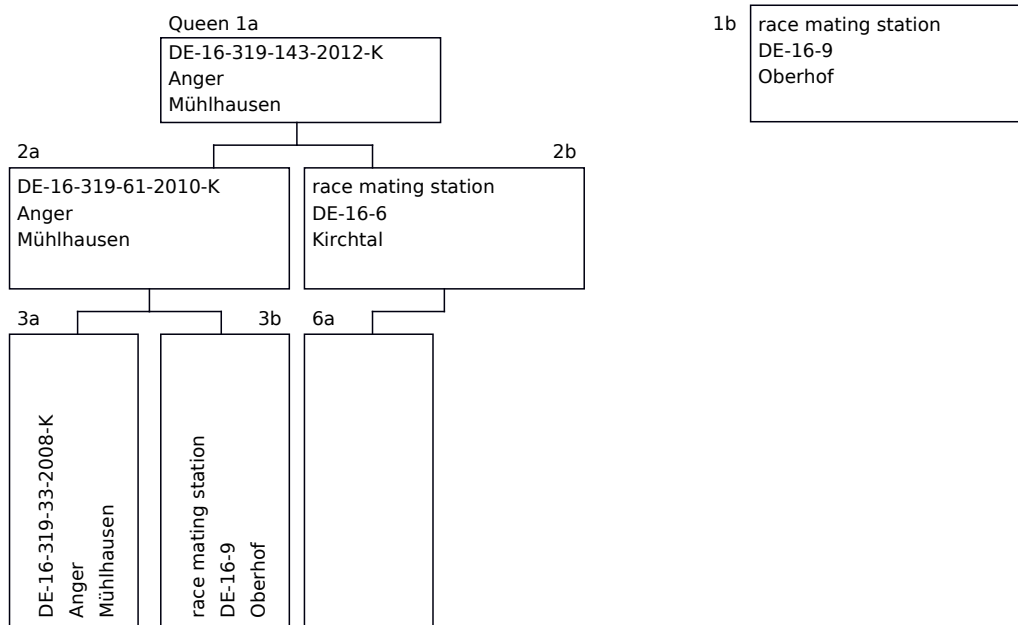
Tester of the queen: Anger, Bernd, 99974 Mühlhausen, DE-16-319, Apiary 6
 Breeder of the queen: Anger, Bernd, 99974 Mühlhausen, DE-16-319
1a Studbook number: **DE-16-319-143-2012-K**

Race line:
 Generation: 3

Sign: yellow 38
 Hatch date: 25.06.2012

Daughters of
 Queen: 0%
 Workers: 0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	105.4	133.2	2	9	79.2
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	114	■		
Honey yield	-	120	■		0.34
Defensive behavior	3.40	110	■		0.55
Steadiness on comb	3.50	110	■		0.59
Swarming drive	4	112	■		0.35
Varroa	-	107	■		0.46
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength	3.20				

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

See attached characteristic documents:

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-16-319-143-2012-K

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Performance of the sisters

Amount of checked sisters: 9

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-16-319-141-2012	DE-16-319	6	88	77.6	96	3.4	Behavior	2.3	107	4	107	80	
DE-16-319-142-2012	DE-16-319	6	73	43.8	70	3	86	2.9	87	1	74	79	
DE-16-319-143-2012-K	DE-16-319	6	114	105.4	120	3.4	110	3.5	110	4	112	107	
DE-16-319-149-2012-K	DE-16-319	6	107	105.9	119	3.4	105	3.2	105	4	111	99	
DE-16-319-150-2012-K	DE-16-319	6	109	98	114	3.4	106	3.3	106	4	109	104	
DE-16-319-152-2012	DE-16-319	6	95	65.5	88	3.3	94	2.8	92	4	97	101	
DE-16-319-153-2012	DE-16-319	6	84	39.4	68	3.4	95	2.8	94	1	76	(94)	
DE-16-319-156-2012	DE-16-319	6	97	77.8	97	3.2	93	3	93	4	100	101	
DE-16-319-157-2012-K	DE-16-319	6	109	99	114	3.4	103	3.1	102	4	107	109	