

## GENETIC CERTIFICATE

**Mrs Johanna SCHOONES**

Byvejen 78  
5620 Glamsbjerg  
DENMARK

Name : **Berner Fluffens Brandy**

Specie : **Dog**  
Breed : **Bernese Mountain Dog**  
  
ID Number : **752 093 200 093 669**  
Pedigree Number : **DK14997/2000**

Gender : **Female**  
Birth date : **27/05/2019**

Owner :  
**SCHOONES Johanna**  
5620 Glamsbjerg (DK)  
Customer Nb : C131088

Sample Number : **715 718**  
Sample type : Blood sample  
Sample date : 27/11/2020  
Request date : 09/12/2020

Sample realized by :  
**MADSEN Kitt** (Veterinarian)  
5620 Glamsbjerg (DK)  
Official Nb :  
Authenticated sample

File Nu. : 187 888  
Animal Number : 234 929  
Result code : 443617

### Histiocytic Sarcoma (Test SH)

Result : **Index B**

Interpretation : Neutral index - not predictive of higher or lower risk of developing Histiocytic Sarcoma.

This genetic test should be just one of the many selection criteria. It is important within a breeding population to give priority to individuals with the best index but is also of the utmost importance when selecting breeding pairs that sufficient genetic diversity is maintained in the breed.

Mathilde Verdier  
Genetic Analyst



Estelle Sauvegrain  
Genetic Analyst



Result established on 18/12/2020

Certificate issued on 18/12/2020

#### Explanation

This genetic test for Histiocytic Sarcoma is based on 9 genetic markers (Panel SH0912) identified from scientific research on Histiocytic Sarcoma on Bernese Mountain Dogs carried out by the Canine Genetics Team of the CNRS of Rennes, France. The methods used to calculate the genetic index were based on a population of 1081 European dogs, mainly from France. The test for Histiocytic Sarcoma has three possible results expressed as an index: index A, the individual tested has a four times lower risk of developing Histiocytic Sarcoma ; index B means neutral index ; index C, the individual tested has a four times higher risk of developing Histiocytic Sarcoma. This genetic test is simply a probability test, and this must be clearly accepted by the user.

This genetic test is designed solely to be a tool to help breeders in their breeding decisions. As a probability test, the test SH is subject to error and should not therefore be used, under no circumstances, as a commercial or advertising point by breeders.

The ANTAGENE laboratory will provide the necessary state-of-the-art technology to guarantee the reliability of its genetic test.