

## GENETIC CERTIFICATE

**Ms/Mr Anna & Henrik ANDREASSEN**

Ebeltoftvej 34

8410 Rønne

DENMARK

Name : **Champalays Bernadotte  
Forever**

Specie : **Dog**  
Breed : **Bernese Mountain Dog**

ID Number : **208 210 000 735 572**  
Pedigree Number : **DK15405/2020**

Gender : **Female**  
Birth date : **19/07/2020**

Owner :  
**ANDREASSEN Anna & Henrik**  
8410 Rønne (DK)  
Customer Nb : C110323

Sample Number : **786 140**

Sample type : Blood sample

Sample date : 22/11/2021

Request date : 02/12/2021

Sample realized by :  
**SEJER MADSEN Jens** (Veterinarian)

4000 Roskilde (DK)

Official Nb : **1611**

Authenticated sample

File Nu. : 210 147

Animal Number : 231 786

Result code : 511909

### 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.

Estelle Sauvegrain  
Genetic Analyst

Magali Kernaly  
Genetic Analyst

Result established on 10/12/2021

Certificate issued on 10/12/2021



#### 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.