



## GENETIC CERTIFICATE

**Ms Helle SINCLAIR**

Fjellerup Bygade 36  
8585 Glesborg  
DENMARK

Name : **Pa-Di Sinclair's Jazmin  
Chanodottir**

Breed : **Bernese Mountain Dog**

ID Number : **208 206 000 141 318**

Pedigree Number : **DK 05556/2010**

Gender : **Female**

Birth date : **11/03/2010**

Owner :

**SINCLAIR Helle**

8585 Glesborg (DK)

Customer Nb : C75415

Sample Number : **489 761** (Authenticated)

Sample type : Blood sample

Sample date : 09/03/2016

Request date : 17/03/2016

Sampler veterinarian :

**BLANKHOLM Janne**

8961 Allingabro (DK)

Official number :

File Nu. : 115 639

Animal Number : 136 119

Result code : 212710

### Histiocytic Sarcoma (pre-test)

Result : **Index B**

Interpretation : Neutral index

This genetic pre-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.

Result established on 23/03/2016

Certificate issued on 23/03/2016

Lina Muselet  
Genetics Engineer

#### Explanation

This genetic pre-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 pre-test for Histiocytic Sarcoma has three possible results expressed as an index: index A, the tested individuals have four times the chance of not developing Histiocytic Sarcoma ; index B means neutral index ; index C, the tested individuals have four times the risk of developing Histiocytic Sarcoma. The genetic pre-test is simply a probability test, and this must be clearly accepted by the user.

This genetic pre-test is designed solely to be a tool to help breeders in their breeding decisions. As a probability test, the genetic pre-test is subject to error and should not therefore be used in the sale of dogs or puppies and, under no circumstances, should it be used 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 pre-test.