

## GENETIC CERTIFICATE

**Ms Helle SINCLAIR**

Fjellerup Bygade 36  
8585 Glesborg  
DENMARK

Name : **Whiskey Tango From  
Orsina's Land**

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

ID Number : **705 091 000 018 907**  
Pedigree Number : **DK20139/2019**

Gender : **Male**  
Birth date : **21/12/2018**

Owner :  
**SINCLAIR Helle**  
8585 Glesborg (DK)  
Customer Nb : C75415

Sample Number : **683 536**  
Sample type : Blood sample  
Sample date : 23/03/2020  
Request date : 11/05/2021

Sample realized by :  
**KLITGAARD Marianne** (Veterinarian)  
7900 Nykobing Mors (DK)  
Official Nb : **1260**  
Authenticated sample

File Nu. : 197 465  
Animal Number : 219 196  
Result code : 472887

### Degenerative Myelopathy (DM-sod1a)

Result : **Normal homozygous**

Interpretation : The animal has 2 normal copies of the SOD1A allele. The animal will not develop the form of Degenerative Myelopathy associated to the tested mutation. The animal will not transmit the genetic anomaly to its progeny.

Magali Kernaleguen  
Genetic Analyst

Mathilde Verdier  
Genetic Analyst

Result established on 19/05/2021

Certificate issued on 19/05/2021



#### Explanation

This test is specific to Degenerative Myelopathy in Bernese Mountain dog. This disorder is inherited as an autosomal recessive trait. This test relies on the detection of the c.118G>A mutation in the SOD1 gene (Awano et al. 2009). This test can not be used to detect other forms of degenerative myelopathy, nor other hereditary forms of neurological diseases, nor other neurological disorders acquired during the life span of the animal. An another DNA test (DM-sod1B) is available to detect an other form of Degenerative Myelopathy in this breed

The laboratory ANTAGENE puts at its disposal all resources and means necessary with regards to reliability, quality assurance, and traceability in order to guarantee a result of 99% accuracy.