



## GENETIC CERTIFICATE

**Mr Werner JUFER**

Haldenweg 14  
4932 Lotzwil  
SWITZERLAND

Name : **Hieronimus Von Den  
Albmuhlen**

Breed : **Bernese Mountain Dog**

ID Number : **276 095 610 045 204**

Pedigree Number : **DEBS/BSZ14316**

Gender : **Male**

Birth date : **16/08/2014**

Owner :

**JUFER Werner**

4932 Lotzwil (CH)

Customer Nb : C67668

Sample Number : **487 976** (Authenticated)

Sample type : Blood sample

Sample date : 24/02/2016

Request date : 29/02/2016

Sampler veterinarian :

**SALM Christoph**

4900 Langenthal (CH)

Official number :

File Nu. : 114 932

Animal Number : 135 260

Result code : 210520

### 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.

Result established on 04/03/2016

Certificate issued on 09/03/2016

Lina Muselet  
Genetics Engineer

#### 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.