



GENETIC CERTIFICATE

Ms Eva-liz AANDAL

Brøstadveien 118
9311 Brøstadbotn
NORWAY

Name : **Soltrollets Power Tetryl**

Breed : **Golden Retriever**

ID Number : **578 098 100 580 728**

Pedigree Number : **No45135/17**

Gender : **Female**

Birth date : **08/06/2017**

Owner :

AANDAL Eva-liz

9311 Brøstadbotn (NO)

Customer Nb : C82886

Sample Number : **546 696** (Authenticated)

Sample type : Blood sample

Sample date : 03/08/2017

Request date : 07/08/2017

Sampler veterinarian :

HAUGENE Lars

9300 Finnsnes (NO)

Official number : **8972/1015451**

File Nu. : 135 559

Animal Number : 162 994

Result code : 275735

Multidrug Sensitivity (MDR1)

Result : **Normal homozygous**

Interpretation : The animal has 2 normal copies of ABCB1 (MDR1) gene. The animal will not develop the form of Multidrug Sensitivity associated to the tested mutation. Normal doses of Ivermectin, Loperamide and other drugs don't active toxic reactions. The animal will not transmit the genetic anomaly to its progeny.

Mathilde Verdier
Genetic Analyst

Manon Silvestre
Genetic Analyst

Result established on 11/08/2017

Certificate issued on 11/08/2017

Explanation

This test is specific to Multidrug Sensitivity in dog. This disorder is inherited as an autosomal codominant trait. This test relies on the detection of the c.227_230delATAG mutation in the ABCB1 (MDR1) gene (Mealey et al. 2001). This test can not be used to detect other forms of multidrug sensitivity, nor other hereditary forms of metabolic diseases, nor other metabolic disorders acquired during the life span of the animal.

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.