

GENETIC CERTIFICATE

Mrs Lone WENDT MOGELTOFT
Tvillingevej 1

2765 Smorum
Danmark

Name : **Evergreen's I-Xtazy**

Breed : **Maine Coon**

Identification Nu : **250 269 802 199 349**
Pedigree Nu : **DK FDLO 216863**

Sex : **Male**
Date of birth : **09/05/13**

Sampler :

(, ,)

Sampler nu. :

Sample not authenticated

Sampling date : 00/00/00

Sampling type : Cheek swab

Sample Nu : **446196**

Receipt date : 02/12/14

Case : 98206 / 58095 / 201410710 - 02/12/14

Reference : 42180 / 0 / 114496

Test : 161258/ 110228

Result code : 130462

Hypertrophic cardiomyopathy

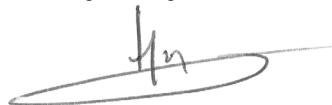
Result : **Normal homozygous**

Tested disease : **Hypertrophic cardiomyopathy**

Interpretation : The animal has two normal copies of MYPBC3 gene. The animal will not develop the hypertrophic cardiomyopathy HCM1 form. The animal will not transmit the genetic anomaly to its progeny.

Result date : 09/12/14

Lina MUSELET
Engineer in genetics



Explanations :

The HCM-A test relies on the detection of one mutation (named mutation A) in the gene MYBPC3 (A31P, Meurs et al. 2005). Hypertrophic cardiomyopathy disease type 1 in Maine Coon is associated to this mutation A in the gene MYBPC. Heterozygous and homozygous mutated cats transmit the genetic defect (mutation A) to their progeny and present a risk to develop the hypertrophic cardiomyopathy type 1. Acquired hypertrophic cardiomyopathy disease or other forms of hereditary hypertrophic cardiomyopathy can not be detected by this test.

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.