

OPTIGEN[®] LLC

for the genetic advantage

Test Report

Linda Brookes
2 Nevis Ridge Drive
Hawkestone, ON L0L 1T0
Canada

Optigen Accession #: **11-7531**
Report issued for: **Griffin**

OptiGen Test Certificate

Optigen Accession #: 11-7531

Test Completed: 09/23/2011
Report Issued: 09/26/2011

Test Performed: **CMR2 test**

Result: **Normal**
Sample Type: **Blood**

Registered Name: **Sandeas Tumbleweed Griffin**

Reg#: **CDN4921**

Breed: **Coton de Tulear**

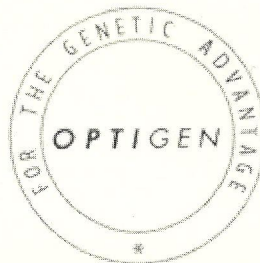
ID#: **956000002596502**

Sex: **Male**

Date of Birth: **August 28, 2009**

Owner(s):

Linda Brookes



Susan Pease Kelling
OptiGen Authorized Signature

www.optigen.com

Test Results: Genotype of your dog is Normal/Clear.

Risk for developing CMR2: This dog will never develop Canine Multifocal Retinopathy Type 2 (CMR2). Note that the primary symptom of CMR2 is retinal folding and there are a variety of causes of retinal folds in dogs. Some but not all retinal folds are due to hereditary factors. If your dog has retinal folds but is Normal for CMR2, you should discuss the significance of this with your veterinary ophthalmologist.

Significance for breeding: CMR2 in your breed is believed to be an autosomal recessive disease, meaning that a dog must inherit two copies of the diseased gene in order to be clinically affected. With this type of inheritance, a Normal/Clear dog will never produce an affected offspring, even if it is mated to a CMR2-affected dog. Note that other inheritance patterns for a similar disease are known in humans and might be found in dogs.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing the CMR2 form of Canine Multifocal Retinopathy in Coton de Tulears as of the date on this report.

For further information, please visit OptiGen's website at www.optigen.com.

International DNA Based Genetic Database: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 65201-3856 or FAX to 573-875-5073. www.offa.org

I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

Cornell Business & Technology Park

tel: 607.257.0301

fax: 607.257.0353

677 Warren Road, Suite 300, Ithaca, NY 14850

email: genetest@optigen.com

web: www.optigen.com