

**Customer:** Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic

**Sample:**

Sample: 21-12351

Date received: 01.02.2021

Sample type: horsehair

Information provided by the customer

**Name:** Black And White DEMO

**Breed:** Český teplokrevník

Date of birth: 25.11.2016

Reg.number : DE-123-456-789-012

Tattoo: 123456789012345

Sex: male

Date of sampling: 01.02.2021

The identity of the animal has been checked by MVDr. Veselý Josef.

**Result:** Based on gene variants examination genotype was determined SB/N

**Explanation**

Presence of KI16+1037T>A KIT gene variants influencing sabino horse coat color was examined.

Sabino colour pattern is characterized by any basic colour with white markings rising from legs and spreading from the belly to the whole body. Lower legs and hoofs tend to be white. Head is usually white and blue eyes are common. Roaning is frequent - spots are mixed and the border between white and base colour is not easily discernible.

Horse with one SB allele is sabino heterozygote (result SB/N), horse with two copies of SB alleles is white sabino homozygote (result SB/SB). Horse with N/N result does not carry sabino pattern.

Method: SOP073, PCR-RFLP

Date of issue: 06.02.2021

Date of testing: 01.02.2021 - 06.02.2021

Approved by: Mgr. Martina Šafrová, Laboratory Manager



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