

OWNER'S NAME: Ina Zweiniger-Bargielowska

DOG'S NAME: Chalk

TEST DATE: March 8th, 2022

OWNER SUPPLIED BREED: Miniature American Shepherd

REGISTRATION ORGANIZATION: American Kennel Club (AKC)

REGISTRATION NUMBER: DN50999001

This certifies the authenticity of **Chalk's** canine genetic background as determined following careful analysis of more than 200,000 genetic markers.

Welcome to the **Embark** family!

AUSTRALIAN SHEPHERD GROUP

MATERNAL **B84**
HAPLOTYPE

PATERNAL **H1a.60**
HAPLOTYPE



**66.0% Miniature/MAS-type
Australian Shepherd**



Purebred certification is separate from genetic ancestry. Purebred status is defined by pedigrees at registration bodies. Ancestry looks at segments of shared DNA.



Adam Boyko, Ph.D.
CHIEF SCIENCE OFFICER



Ryan Boyko
CHIEF EXECUTIVE OFFICER