

## Clear by Parentage Certificate

<b>Call Name:</b>	Darci	<b>Laboratory #:</b>	138483
<b>Registered Name:</b>	Halfpint's Aisling aka Darci	<b>Registration #:</b>	ASDT-AZ-1903806
<b>Breed:</b>	Toy Australian Shepherd	<b>Certificate Date:</b>	July 1, 2019
<b>Sex:</b>	Female		
<b>DOB:</b>	March 2018		



This certificate displays Clear by Parentage results based on genetic testing results and proof of parentage analysis for the dam and sire

All testing was performed by Paw Print Genetics

**The following two dogs were qualified as parents of this dog:**

	Dam	Sire
<b>Call Name:</b>	Kiah	Magnum
<b>Registered Name:</b>	Lana's Kiah	Lindsey's Magnum PI of Halfpint
<b>Registration #:</b>	ASDT-AZ-1500009	ASDT-AZ-1700015
<b>Microchip #:</b>	-	-
<b>Tattoo:</b>	-	-

**This dog is Clear by Parentage for the following:**

Disease	Gene	Interpretation
Collie Eye Anomaly	<i>NHEJ1</i>	Normal/Clear
Cone Degeneration	<i>CNGB3</i>	Normal/Clear
Degenerative Myelopathy	<i>SOD1</i>	Normal/Clear
Hereditary Cataracts (Australian Shepherd Type)	<i>HSF4</i>	Normal/Clear
Hyperuricosuria	<i>SLC2A9</i>	Normal/Clear
Multidrug Resistance 1	<i>ABCB1</i>	Normal/Clear

**Helen F Smith, PhD**  
 Assistant Laboratory Director

**Casey R Carl, DVM**  
 Associate Medical Director

Paw Print Genetics® performed parentage testing on the dog(s) listed on this certificate, and genetic testing on the dam and sire listed on this certificate. Because the tests performed use DNA-based methods, rare genomic variations may occur producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. Genetic counseling is available at Paw Print Genetics.

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Disease	Gene	Interpretation
Multifocal Retinopathy 1	<i>BEST1</i>	Normal/Clear
Neuronal Ceroid Lipofuscinosis 6	<i>CLN6</i>	Normal/Clear
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	<i>PRCD</i>	Normal/Clear

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