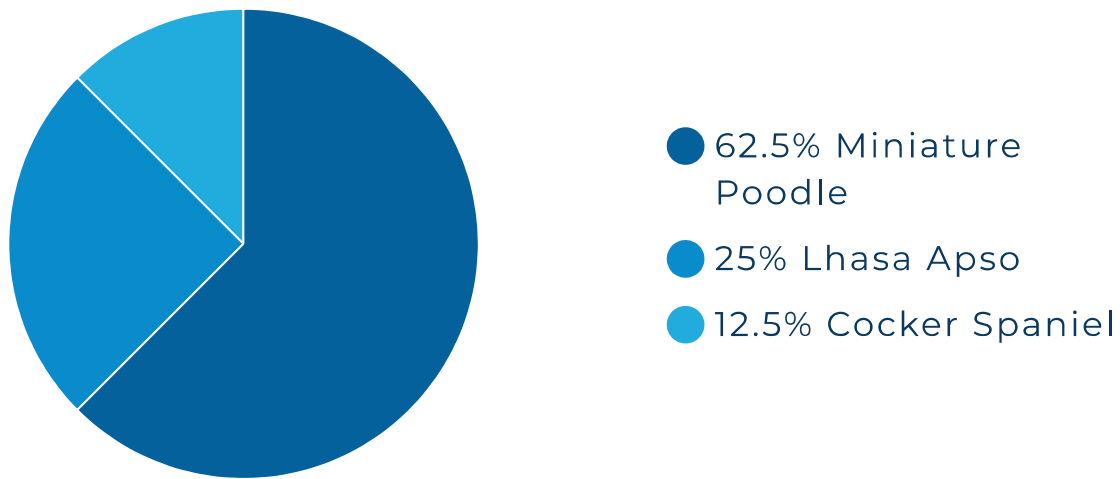


DISCOVER ALL
ABOUT KC

The results are in! Let's take a look at what the DNA told
us about KC's ancestry...

KC'S BREED BY PERCENTAGE



Exciting news, the results are in! Here's what makes KC so unique. Using the data generated from KC's DNA, our sophisticated computer algorithm performed over 17 million calculations! What you see here is KC's ancestry by percentage.

MINIATURE POODLE

SMART AND PLACID DOGS.

- Intelligent, athletic, and playful dogs.
- Eager to learn and respond well to reward-based training using treats or favorite toys.
- Miniature Poodles seem to enjoy dog sports such as agility, retrieving, musical canine freestyle, rally and competitive obedience.
- Some tend to bark and can be reserved around strangers and may require careful socialization to prevent or reduce defensive aggressive tendencies.

► Height

10 - 15 in

► Weight (show)

13 - 26 lb

► Weight (pet)

15 - 28 lb



DID YOU KNOW?

The fact that Poodles have been featured in royal artwork since the 1500s is probably part of the reason many think they're a French breed. But they're actually not. Instead, these smart and placid dogs are shrouded in mystery when it comes to their origin. Some experts say they originated in Central Europe or Russia, while others cite Spain or Portugal. Although they're thought of as ornamental lap dogs, they are technically gun dogs with an excellent reputation for bird hunting and water retrieval. Their name has its roots in an old German word meaning 'to splash about' – a reference to their fondness for water. The miniature Poodle was developed in the 1700s, long after the standard version was around. Faithful and devoted, it's small wonder they became popular too.

LHASA APSO

THEY CAN TRACE THEIR ROOTS TO THE SACRED CITY OF LHASA.

- Intelligent, watchful, alert, and independent dogs. As good watchdogs, they may bark.
- Stubborn tendencies may be lessened by using reward-based training involving small treats.
- Lhasa Apsos are moderately active dogs and since they are small do well in apartments.
- They can be wary or shy around strangers and may require careful socialization to prevent or reduce defensive aggressive tendencies.

► **Height**

10 - 11 in

► **Weight (show)**

9 - 16 lb

► **Weight (pet)**

9 - 19 lb



DID YOU KNOW?

Lhasa Apsos can trace their roots to the sacred city of Lhasa, the capital of Tibet. There, in and around 800 B.C., it's believed these fearless and assertive dogs were raised by monks from Tibetan monasteries. They were traditionally kept indoors as a second line of defense against intruders, using their keen hearing to alert the monks of any break-ins. After World War II, several of them were imported from China and, in the early 1930s, the breed eventually found its way to America. The original monks who kept these sweet little dogs believed that to be in the presence of a Lhasa Apso was to be blessed with good fortune. We couldn't agree more.

COCKER SPANIEL

ONE OF THE FIRST COCKER SPANIELS INTRODUCED INTO THE AMERICAS.

- Intelligent, playful, happy, and usually friendly dogs, with some being very energetic.
- Seem to enjoy dog sports such as hunting, tracking, retrieving, agility, rally and competitive obedience.
- Respond well to reward-based training using treats or favorite toys; can help in reducing tendencies to retrieve and play with inappropriate items.
- Good family dog but may require careful socialization with strangers to prevent or reduce fear-based defensive behaviors.

► Height

14 - 15 in

► Weight (show)

22 - 29 lb

► Weight (pet)

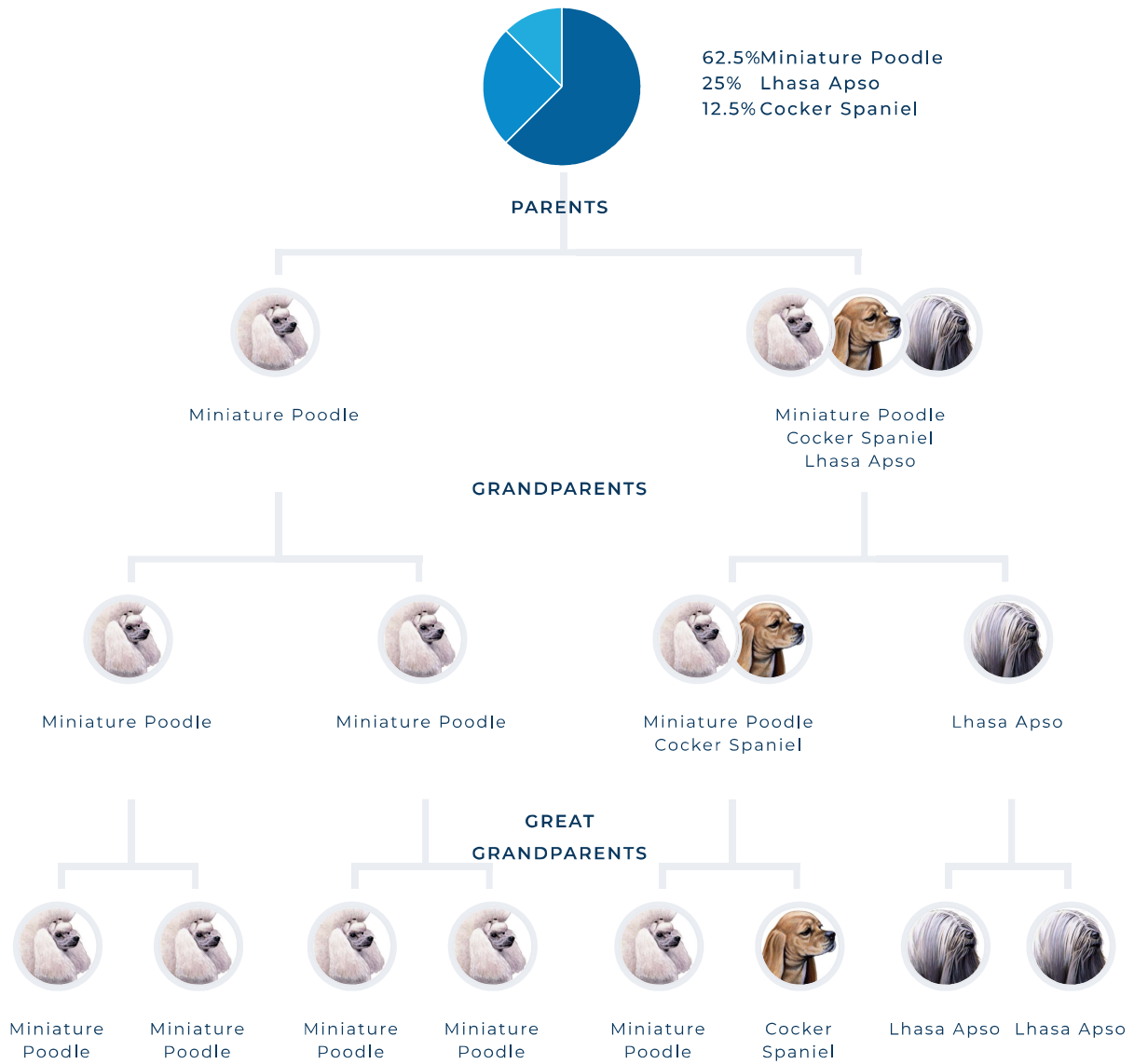
19 - 36 lb



DID YOU KNOW?

The American Cocker Spaniel was one of the first Cocker Spaniels introduced into the Americas. Many think one of their original ancestors was from 14th century Spain – a breed known as the 'Spanyell'. A more recent relative we can be more certain of is the English Cocker Spaniel, which is a bigger version of it. According to legend, an English Cocker Spaniel was on the original HMS Mayflower that arrived in America in 1620. Since that time, Cocker Spaniels have been the constant companion of settlers and have played an important role in hunting and guarding the family. Whatever the roots of these trusting joyful dogs, we couldn't be happier that they're here with us today.

KC'S FAMILY TREE



KC'S HEALTH RESULTS

We have tested KC's DNA for the following important genetic health conditions.
The results can be seen below.

MULTIDRUG SENSITIVITY (MDR1)



CLEAR

KC has no copies of the MDR1 mutation and should not be affected by the disorder due to this genetic cause.

EXERCISE-INDUCED COLLAPSE (EIC)



CLEAR

KC has no copies of the EIC mutation and should not be affected by the disorder due to this genetic cause.

KC'S TRAITS

Base Pigment Color	KC carries the gene for the 'expression' of black pigment. This means that even though their overall coat color may not be black, they are still able to make black pigment. They will also likely have black around their eyes, a black nose, and may even have black pads on their feet.
Furnishings	KC carries the gene for 'furnishings', which means they are likely to have a fuzzy beard and eyebrows. This trait is commonly associated with terriers, but is carried by many other breeds as well, including the Poodle. It may also have come from many generations back in their ancestry.
Coat Length and Type	KC's coat is probably on the long side and wavy. Did you know this is because they show one copy of the gene for curl? If they'd shown two, their coat would exhibit tight curls, like a poodle.
Tail Length	KC likely was born with a long tail - although the exact length can vary from dog to dog. Long tails are sometimes known as 'coffee table clearers'. (If you've ever seen a long-tailed dog get excited near one, you'll know exactly why.)
Ear Carriage	A lot of factors can decide the shape of a dog's ear. But as far as we can tell, KC probably has perk or upright ears. Did you know this type of ear is recessive (which means you need a copy from each parent to show it)? Common breeds with upright ears include German Shepherd, Chihuahua and Husky.
Leg Length	KC has one copy of the gene for short limbs (known as 'chondrodysplasia') so their legs are probably moderately short in length. When people think of this trait, they think mainly of the Dachshund, Corgi, or Basset Hound. There are actually over 20 breeds that have it, including the Chihuahua.
Coat Color Main Possibilities	KC appears to be a yellow or tan color. Dogs with this result can actually show colors from white all the way to deep red. (Did you know because your dog has this genotype, they cannot make black pigment in their coats, so won't have even a single black hair?)

IDEAL WEIGHT

Based on our findings, we've calculated that KC's ideal, adult weight should be:

11 lbs - **21** lbs

Maintaining a healthy weight is a key factor in KC having a long and healthy life.

WISDOMTM PANEL



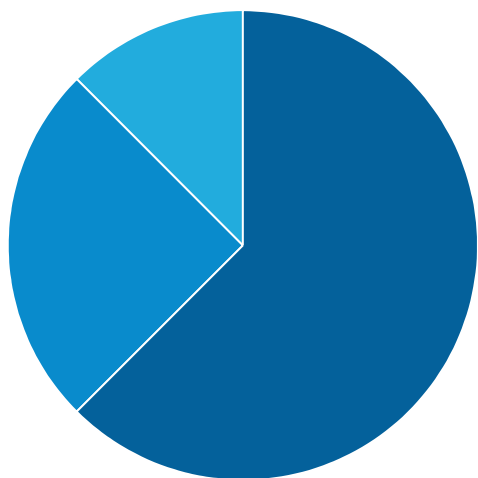
STATEMENT OF AUTHENTICATION

Owner's Name: **Rod Allrich**

Dog's Name: **KC**

Date: **December 8, 2018**

This certifies the authenticity of KC's canine genetic background as determined, following the careful analysis of more than 1800 genetic markers, by the WISDOM PANELTM Canine DNA Test. The purebred breed signature matches included in the analysis are those that were detected in the last three generations of KC's ancestry using the Wisdom Health proprietary breed detection algorithm.



● 62.5% Miniature Poodle

● 25% Lhasa Apso

● 12.5% Cocker Spaniel