

## TECHNICAL MONOGRAPH

PRODUCT NAME: MobilityPLUS

CONSTITUENTS:	Common Name	Botanical Name
	Boswelia	<i>Boswelia serrata</i>
	Fish oil	
	Flaxseed	<i>Linus usitatissimum</i>
	Peppermint	<i>Mentha X piperitae</i>

## INTENDED PURPOSE

MobilityPLUS is the only clinically proven, patent-approved herbal arthritis formula for horses. Reduces pain and inflammation in horses with arthritis or laminitis, or horses in high-intensity competition.

## EVIDENCE FOR EFFICACY

- **BOSWELLIA SERRATA** IS A FLOWERING SHRUB / TREE NATIVE TO PARTS OF ASIA AND AFRICA. ITS EXTRACTS DISPLAY POTENT ANTI-INFLAMMATORY ACTIVITY MEDIATED THROUGH TWO DIFFERENT PATHWAYS. (ALTERNATIVE MEDICINE REVIEW 2008, 3(2) [HTTP://WWW.ALTMEDREV.COM/PUBLICATIONS/13/2/165.PDF](http://www.altmedrev.com/publications/13/2/165.pdf)).
- **FISH OIL** IS A RICH SOURCE OF N-3 POLYUNSATURATED FATTY ACIDS, POPULARLY KNOWN AS OMEGA-3 FATTY ACIDS. THE MAIN OMEGA-3 FATTY ACIDS IN FISH OIL ARE EICOSAPENTAENOIC ACID (C20:5 N-3, EPA) AND DOCOSAHEXAENOIC ACID (C22:6 N-3, DHA). DIETARY FISH OIL HAS BEEN ASSOCIATED WITH MAINTENANCE OF GOOD HEALTH, MAINTENANCE AND SUPPORT CARDIOVASCULAR HEALTH, REDUCED PAIN OF RHEUMATOID ARTHRITIS, IMPROVED COGNITIVE HEALTH AND/OR BRAIN FUNCTION, IMPROVED MOOD BALANCE AND REDUCED SERUM TRIGLYCERIDES / TRIACYLGLYCEROLS (DE MOFFARTS ET AL. 2007; ANONYMOUS 2010; VINEYARD ET AL. 2010).
- **LINUS USITATISSIMUM** (FLAXSEED) IS RICH IN OMEGA-3, OMEGA-6 OILS, ALPHA-LINOLEIC ACID, DIETARY FIBERS, SECOISOLARICRESINOL DIGLUCOSIDE, PROTEIN AND MINERALS. ITS HEALTH BENEFITS INCLUDE BEING AN ANTIOXIDANT AGENT, PREVENTIVES AGAINST CARDIOVASCULAR DISEASES, CANCER, DIABETES AND ENHANCEMENT OF SPATIAL MEMORY. IT ALSO HAS DEMONSTRATED ANTI-INFLAMMATORY ACTIVITY WHEN FED TO HORSES FOR 70 DAYS (VINEYARD ET AL. 2010; AKHTAR ET AL. 2013).
- **MENTHA X PIPERITAE** (PEPPERMINT) MINT HAS LONG BEEN USED IN EVERY DAY LIFE IN VARIOUS FOOD ITEMS AS A FLAVOURING AGENT AND AS A MEDICINAL INGREDIENT. EXTRACTS FROM THE LEAVES HAVE SIGNIFICANT ANTIMICROBIAL AND ANTIVIRAL ACTIVITIES, STRONG ANTIOXIDANT ACTIONS, AND POTENTIAL TO ENHANCE IMMUNE SYSTEM FUNCTIONS (MCKAY AND BLUMBERG 2006; SHARAFI ET AL. 2010; AHMAD ET AL. 2012).

## REFERENCES

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