

## APPLICATIONS

- Microbial Support



## INTRODUCTION

Cumanda is an extract from the bark of *Campsiandra angustifolia* also known as *Campsiandra angustifolia* Benth., *Campsiandra angustifolia* var. *angustifolia*, and huacapurana.<sup>1,2</sup> It belongs to the Fabaceae/Leguminosae family and the Caesalpinaceae subfamily, which contains many species of *Campsiandra*.<sup>3,4,5,6</sup> Huacapurana is a more general name that can apply to *C. comosa* and *C. laurifolia* in addition to *C. angustifolia*, though *C. angustifolia* is considered the authentic Peruvian huacapurana.<sup>2</sup>

*C. angustifolia* is a medium-sized tree native to Peru and Northern Brazil that is used by local people for food as well as health.<sup>2</sup> Constituents found within the bark include proanthocyanidins, flavonoids, gallotannins, and caffeoylquinic acid.<sup>7</sup> Secondary metabolites include steroids, flavonoids, saponins and tannins.<sup>8</sup> In traditional historical use, it has been used for microbial support, healthy inflammatory response support, and gastrointestinal support.<sup>9,10,11</sup>

Cumanda is made at our U.S. manufacturing facility. Because our extracts are made in our own facility, we control all aspects of quality, including stringent ID testing, microbial testing, and heavy metal testing. NutraMedix rigorously follows current good manufacturing practices (cGMP), as do our suppliers.

## MICROBIAL SUPPORT

*C. angustifolia* (bark) may help with single-celled microbial support, and thus, may help to maintain health of erythrocytes and macrophages.<sup>6,12,13</sup> It may also help with microbial support of varied gram status.<sup>6,13,14</sup> Additionally, *C. angustifolia* may help with mycelial support.<sup>6,14</sup>

## SAFETY AND CAUTIONS

*C. angustifolia* (bark) has been used traditionally by native South American peoples for some time. Despite this, information on interactions and adverse events is sparse. Currently, there are no known cautions or interactions, though this may change with additional research and new knowledge. Theoretically, *C. angustifolia* should not be taken concurrently with PDE-5 inhibitors, as it may have additive effects.<sup>9</sup>

Safety not documented in breastfeeding or pregnant women, or in children under 3 years of age due to insufficient safety research.

**\* These statements have not been evaluated by the Food and Drug Administration. This product is not intended to treat, cure, or prevent any diseases.**

**SHAKE WELL BEFORE EACH USE:**  
Put 1 to 30 drops in 4 oz (120 mL) of water and wait one minute before drinking. Start with 1 drop (30 min. before meals) increasing slowly up to 30 drops 2-4 times per day or as directed by your physician. Do not use if pregnant or nursing. Stop use if adverse reactions develop. Keep out of reach of children.

†This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

**CUMANDA**

MICROBIAL SUPPORT †

Dietary Supplement

1 fl oz. (30mL)

**Supplement Facts**

Serving Size 30 drops  
Servings Per Container 20

Amount Per Serving	
<i>Campsiandra angustifolia</i> 1.5 mL <sup>2</sup> bark extract	
*Daily Value not established	

**Other ingredients:** mineral water, ethanol (20-24%)

**NutraMedix**  
Jupiter, Florida 33458 USA  
www.nutramedix.com  
561-745-2917

Lot # Exp.

## REFERENCES

- <sup>1</sup> *Campsiandra angustifolia* Benth. — *The Plant List*. Theplantlist.org. (2021). Retrieved 10 December 2021, from <http://www.theplantlist.org/tpl1/record/ild-20132>.
- <sup>2</sup> *Tropical Plants Database*, Ken Fern. tropical.theferns.info. (2021). Retrieved 10 December 2021, from <http://tropical.theferns.info/viewtropical.php?id=Campsiandra+angustifolia>.
- <sup>3</sup> *Campsiandra angustifolia* Benth. - *Encyclopedia of Life*. Eol.org. (2021). Retrieved 10 December 2021, from <https://eol.org/pages/640211>.
- <sup>4</sup> *Campsiandra angustifolia*. Worldfloraonline.org. (2021). Retrieved 10 December 2021, from <http://www.worldfloraonline.org/search?query=campsiandra+angustifolia>.
- <sup>5</sup> Farji-Brener, A. G., Durán, S., et al. (2005). *Revista de Biología Tropical*, 53(1-2), 63-71.
- <sup>6</sup> Ruiz, L., Ruiz, L., et al. (2011). *Journal of Ethnopharmacology*, 133(2), 917-921.
- <sup>7</sup> Schmeda-Hirschmann, G., Burgos-Edwards, A., et al. (2019). *Journal of Ethnopharmacology*, 229, 167-179.
- <sup>8</sup> Flores, P.C. & Andoa, D. H. (2014). UNAP Repositorio Institucional Digital. <https://repositorio.unapiquitos.edu.pe/handle/20.500.12737/4399>
- <sup>9</sup> Ganapathy, A. A., Hari Priya, V. M., & Kumaran, A. (2021). *Journal of Ethnopharmacology*, 267, 113536.
- <sup>10</sup> de Pascoa Júnior, J. G., & de Souza, C. L. L. (2021). *Research, Society and Development*, 10(14), e163101419965.
- <sup>11</sup> Huaranca Acostupa, R. J., Armas Bardales, J. J., & Vigo Teco, R. M. (2013). *Conoc Amaz*, 4(2), 77-86.
- <sup>12</sup> Kvist, L. P., Christensen, S. B., et al. (2006). *Journal of Ethnopharmacology*, 106(3), 390-402.
- <sup>13</sup> Vasquez-Ocmin, P., Cojean, S., et al. (2018). *Journal of Ethnopharmacology*, 210, 372.
- <sup>14</sup> Roumy, V., Ruiz Macedo, J. C., et al. (2020). *Journal of Ethnopharmacology*, 249, 112411.