

## APPLICATIONS

- Mood/Emotional Support
- Inflammatory Response Support
- Immune System Support
- Neurological Support



## INTRODUCTION

MoodMedix is a proprietary blend of hydro-ethanol extracts from turmeric root (*Curcuma longa*) and Cat's Claw bark (*Uncaria tomentosa*) which is also known as **Samento**. The active constituents of *C. longa* are considered to be the curcuminoids, particularly the well-studied curcumin. *C. longa* root also contains proteins, fatty acids, minerals and polysaccharides.<sup>1</sup> *C. longa* may help with occasional mood and emotional support as well as healthy inflammatory response support.<sup>\*2,3</sup> **Samento** is extracted from a rare pentacyclic chemotype of *U. tomentosa*, verified by independent 3rd party HPLC testing to be free of TOAs, with levels in trace amounts or undetectable. This pentacyclic oxindole alkaloid (POA)-predominant, tetracyclic oxindole alkaloid (TOA)-free form of *U. tomentosa* may help with healthy inflammatory response support, immune system support, and neurological support.<sup>\*4,5</sup>

MoodMedix is made at our U.S. manufacturing facility using a specialized proprietary extraction process that optimizes the constituents of the herbs in their original, unprocessed state to obtain broad-spectrum concentration. 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.

## MOOD/EMOTIONAL SUPPORT

*C. longa* may help with emotional support and occasional low mood.<sup>\*2,6,7</sup> A healthy mood is dependent on normal levels of neurotransmitters such as serotonin, norepinephrine, and dopamine, among others.<sup>8</sup> The monoamine oxidase (MAO) enzymes help to break down these neurotransmitters and prevent levels from becoming elevated; however, they may also contribute to decreased levels.<sup>9</sup> *C. longa* may help to support MAO-A and MAO-B levels already within the normal range,<sup>10</sup> which may help to maintain levels of serotonin already within the normal range.<sup>\*11</sup> Brain-derived neurotrophic factor (BDNF) is important for neuronal health and function, helping to support normal cognition and a healthy emotional state.<sup>12</sup> *C. longa* may help to support BDNF levels and salivary cortisol levels already within the normal range.<sup>\*13,14</sup>

## OTHER USES

### Inflammatory Response Support

Both *C. longa* and *U. tomentosa* (pentacyclic chemotype) may help to maintain and support a healthy inflammatory response.<sup>\*3,5,15</sup> *C. longa* may help to support CRP, TNF-alpha, and IL-6 levels already within the normal range.<sup>\*3</sup> *U. tomentosa* may help to support NF-kappa B levels already within the normal range in a dose-dependent manner,<sup>16,17</sup> thus supporting both TNF-alpha and IL-1-beta already within the normal range.<sup>\*17,18</sup>

### Immune System Support

*U. tomentosa* (pentacyclic chemotype) may help to maintain a healthy immune response and support immune system homeostasis.<sup>\*</sup> *U. tomentosa* may help to maintain neutrophil function as well as Th1 and Th2 levels already within the normal range.<sup>\*19,20,21</sup> It should be noted that only TOA-free *U. tomentosa* (such as **Samento**) helps with homeostatic immune support.<sup>\*4</sup>

### Neurological Support

*U. tomentosa* may help to support neurological health and help to maintain healthy neurocognitive function.<sup>\*22,23</sup>

## SAFETY AND CAUTIONS

*U. tomentosa* and *C. longa* are generally well tolerated. Gastrointestinal effects such as nausea, constipation, and diarrhea have been reported with both, though generally not at greater rates than with placebo.<sup>24,25,26,27</sup> Both may inhibit P450 CYP3A4 enzymes and therefore may slow the metabolism of drugs metabolized by CYP3A4.<sup>28,29</sup>

*C. longa* may have additive effects with anticoagulant drugs,<sup>30</sup> warfarin,<sup>31</sup> and antidiabetic drugs.<sup>32</sup> *C. longa* may increase blood levels of amlodipine,<sup>33</sup> sulfasalazine,<sup>34</sup> and tacrolimus,<sup>35</sup> the last of which is attributed to CYP3A4 inhibition. The antioxidant activity of *C. longa* may oppose the prooxidant action of alkylating drugs and antitumor antibiotics.<sup>36</sup> *C. longa* can cause gallbladder contractions and should be used with caution in gallbladder disease.<sup>37</sup> It is possible that *C. longa* may increase the risk of hepatotoxicity when taken in high doses with hepatotoxic drugs.<sup>38</sup>

*U. tomentosa* should be avoided in those taking immunosuppressants, as it may interfere with immunosuppressant therapy.<sup>39</sup> *U. tomentosa* may have additive effects with anticoagulants, generally attributed to the TOA rhynchophylline,<sup>40</sup> as well as additive effects with antihypertensive drugs, generally attributed to the TOAs rhynchophylline and isorhynchophylline.<sup>41,42</sup> As a reminder, **Samento** is TOA-free, with levels in trace amounts or undetectable.

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

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


**NutraMedix** 

**SHAKE WELL BEFORE EACH USE**  
For occasional mood or emotional support, take 10 drops 2-8 times per day as needed, or as directed by your physician. Put drops in 4oz (120mL) of water and wait one minute before drinking. Do not use if pregnant or nursing. Stop use if adverse reactions develop. Keep out of reach of children.

**MOODMEDIX™**  
MOOD / EMOTIONAL SUPPORT †  
Dietary Supplement  
1 fl oz. (30mL)

**Supplement Facts**  
Serving Size 10 drops (0.5mL)  
Servings Per Container 60

Amount Per Serving	
Proprietary Blend	0.5 mL*
Turmeric root extract and <i>Uncaria tomentosa</i> bark extract (Pentacyclic chemistry)	
*Daily Value not established	
Other ingredients: mineral water, ethanol (20-24%)	

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

V000000  
Lot #  
Exp.

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