Product Data Sheet

2Tx

NATURAL TESTOSTERONE AMPLIFIER†

2Tx by Max Muscle Sports Nutrition (MMSN) is the newest arsenal in testosterone amplification and age-related hormonal support. **2Tx's** innovative and science-based formula is strategically designed to promote the powerful natural testosterone mechanisms within the male body, releasing testosterone from binding transport proteins, optimizing steroid receptor binding capacity, and blocking unwanted estrogen production. The key ingredients in **2Tx** have been shown in human clinical trials to increase free (unbound and bioavailable) testosterone by 98%. Free testosterone is the only form of the hormone that binds to androgen receptors resulting in both anabolic and androgenic effects. Androgen binding then activates a cascade of biological mechanism for protein synthesis, tissue growth, increased bone density and muscle strength.†

Testosterone levels begin to decline in the late third or early fourth decade and diminish at a constant rate thereafter. Steeper declines occur in unbound or free testosterone. Lower testosterone levels is a major risk factor for a multitude of metabolic and mental health conditions. Travinson, et al. (2007) recently published an alarming study showing that testosterone levels have dropped about 1.2% per year, or about 17% overall, from 1987 to 2004 at an accelerated rate in American males as compared to previous periods. Recent studies have also shown that SHBG (Sex Hormone Binding Globulin) levels have increased, further exacerbating the situation.

About 98% of the circulating testosterone in the bloodstream is bound to proteins with approximately 65% transported on SHBG and 33% to albumin. The remaining 2% is free testosterone which is available to receptor binding. To support maximum free and bioavailable levels, **2Tx** contains the Testosterone Modulator Complex containing Testafuranol™ and Testofen™. Testafuranol™ is a unique extract derived from a proprietary process from the Tribulus alatus plant. Testafuranol™ is standardized to contain high concentrations of the bioactives beta-sitosterol (min. 47.5%) and furastonolic saponins (min 50%). Recent research has demonstrated that these special sitosterols and saponins directly stimulate luteinizing hormone (LH) from the pituitary gland production and thereby increasing testosterone in the testis. Free testosterone (the biologically active form of the hormone) may be significantly elevated as well. Testofen™ is a special fenugreek extract standardized to contain at least 50% fenusides. Testofen™ is a powerful and clinically proven ingredient shown to increase muscle mass, increase levels of free testosterone by 98%, increase libido, reduce abdominal fat and increase energy levels. These results have been scientifically substantiated and published in numerous peer-review publications. Maslinic Acid (2-alpha,3-beta-dihydroxyolean-12-en-28-oic acid) is a novel growth potentiating compound. It's chemical structure is similar to steroid hormones and a proposed mechanism of action in cell signaling similar to that of testosterone. Animal studies have shown that Maslinic Acid has a powerful anabolic effect by increasing whole body growth rate, increasing liver protein synthesis and nitrogen retention. The synergistic combination of Testafuranol™, Testofen™, and Maslinic Acid provides the basic power to drive testosterone to healthy levels.†

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Size: 90 Capsules
Serving Size: Three (3) Capsules
Servings Per Container: Thirty (30)

KEY FEATURES

- *Natural Testosterone Amplifier†*
- *Optimizes Circulating Free and Bioavailable Testosterone Levels†*
- *Maximize Muscle Growth, Strength and Recovery†*
- *Contains Ingredients That Promote Free Testosterone Levels Up to 98%†*

KEY MESSAGES

- *Innovative and science-based formula strategically designed to promote the powerful natural testosterone mechanisms within the body, releasing testosterone from binding transport proteins, optimizing steroid receptor binding capacity, and blocking unwanted estrogen production.†*
- *In males, testosterone levels begin to decline in the late third or early fourth decade of life and diminish at a constant rate thereafter. Steeper declines occur in unbound or free testosterone.†*
- *Lower testosterone levels are a major risk factor for a multitude of metabolic and mental health conditions.†*
- *Provides key ingredients that have been shown in human clinical trials to increase free (unbound and bioavailable) testosterone by 98%.†*
- *Testosterone Modulator Complex containing Testafuranol™, Testofen™, and Maslinic Acid. The synergistic combination of Testafuranol™, Testofen™, and Maslinic Acid provides the basic power to drive testosterone to healthy levels.†*
- *Androgen Receptor Response Complex provides L-Carnitine-L-Tartrate (LCLT) and Alpha Lipoic Acid. Both ingredients are designed to enhance skeletal muscle cell testosterone binding for amplification of cell amplification responses.†*

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Your assurance of quality®

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Size: 90 Capsules
Serving Size: Three (3) Capsules
Servings Per Container: Thirty (30)

Supplement Facts

Serving Size: 3 Capsules — Servings Per Container: 30

Amount Per Serving		%Daily Value*
Vitamin C (ascorbic acid)	80 mg	133%
Testosterone Modulator Complex Testafuranol™ (*Tribulus alatus*, standardized to contain 50% beta-sitosterol and 50% stigmasterol), Testofen™ (fenugreek extract standardized to contain 50% fenuside), Maslinic acid (*Crataegus pinnatifada*, extract), (standardized to contain 10% maslinic acid)	750 mg	**
Androgen Receptor Response Complex L-Carnitine-L-Tartrate (LCLT), Alpha Lipoic Acid	350 mg	**
SHBG and Anti-Aromatase Complex Chrysin, 3,4 Divanillyltetrahydrofuran, White Button Mushroom (*Agaricus bisporus*), Green Tea (*Camellia sinensis*) Leaf Extract (standardized to 45% EGCG)	350 mg	**

*Percent Daily Values are based on a 2000 calorie diet.
**Daily value not established.

Directions: As a dietary supplement, take 3 capsules in the morning and 3 capsules six to 8 hours later, each time with 8 oz of water on an empty stomach.

Other Ingredients: Maltodextrin, Magnesium Stearate, Gelatin.

ALLERGY INFORMATION: Manufactured in a facility that processes milk, soy and egg proteins, peanuts, other tree nuts and wheat.

Testafuranol™ is a trademark of Integrity Nutraceuticals International.

Testofen™ is a trademark of Gencor Pacific Inc., USA

KEEP OUT OF REACH OF CHILDREN.

STORE IN A COOL, DRY PLACE AWAY FROM MOISTURE AND SUNLIGHT. ALWAYS KEEP TIGHTLY SEALED.

WARNING: Consult a physician before starting any diet and exercise program and before using this product. Do not take this product if you are female. Do not take this product if you have prostate hypertrophy, liver disease, kidney or heart disease. Discontinue use and call a physician or licensed qualified health care professional immediately if you experience unexpected side effects. If taking prescription medications, consult a licensed healthcare practitioner prior to use.

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KEY MESSAGES

- *SHBG (Sex Hormone Binding Globulin) and Anti-Aromatase Complex containing Chrysin, 3,4 Divanillyltetraydrofuran, White Button Mushroom (Agaricus bisporus), and Green Tea (Camellia sinensis) Leaf Extract (std to contain 45% EGCG). The combination of these ingredients are aimed at decreasing the conversion of testosterone to estrogen (anti-aromatase) and the effects of estrogen at the receptor sites.†*
- *Vitamin C (Ascorbic Acid) has been added to prevent lipid peroxidation and further support testosterone levels.†*

TARGET MARKET

Primary: *Bodybuilders and athletes seeking to optimize testosterone amplification and function to maximize muscle growth, strength, and recovery.*

Secondary: *Men seeking a safe and effective formula to address the age-related decline in testosterone production.*

RECOMMENDED STACK

- **Max ZMA**
- **Max Complete**
- **Max Glutamine**
- **Vit-Acell**
- **Max EFA**
- **Cx3**

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The Androgen Receptor Response Complex provides L-Carnitine-L-Tartrate (LCLT) and Alpha Lipoic Acid. The Androgen Receptor (AR), located within the target tissue cells, is the primary binding complex for free testosterone and functions as a DNA binding transcription factor causing direct up-regulation of gene expression and protein synthesis, increases in lean muscle mass, and skeletal muscle strength. Several recent studies have now shown that LCLT may up-regulate AR and play an important role as an enhancer of testosterone's response in muscle cells. LCLT has also been shown to reduce exercise-induced muscle tissue damage and enhance recovery. Alpha Lipoic Acid (ALA) is a universal antioxidant and recent studies have shown ALA to be an effective cytoprotectant for testosterone and the AR. Both ingredients are designed to enhance skeletal muscle cell testosterone binding for amplification of cell amplification responses.†

Testosterone is converted into estrodiol (estrogen) by the enzyme aromatase or reduced to 5-alphadihydroxytestosterone (DHT) by the enzyme 5-alpha reductase (CYP19A1). To address this, **2Tx** contains the SHBG (Sex Hormone Binding Globulin) and Anti-Aromatase Complex containing three powerful natural and evidence-based ingredients all aimed at decreasing the conversion of testosterone to estrogen (anti-aromatase) and the effects of estrogen at the receptor sites. These include Chrysin, 3,4 Divanillytetraydrofuran, White Button Mushroom (Agaricus bisporus), and Green Tea (Camellia sinensis) Leaf Extract (std to contain 45% EGCG). Finally, Vitamin C (Ascorbic Acid) has been added to prevent lipid peroxidation and further support testosterone levels.†

2Tx is not a synthetic drug and will not cause the negative feedback effects as seen by these products. **2Tx** is truly the smartest and most powerful and effective formula to naturally support testosterone health and to address the age-related decline in testosterone levels and support anabolic effects.

Key References

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To report a serious adverse event, contact:
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MM SPORTS NUTRITION

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