Max Muscle Sports Nutrition (MMSN) is proud to introduce Pro BCAA. Pro BCAA is a scientifically-based formula to provide the body with high potency branched-chain amino acids (BCAA Xtreme™) in the ideal 2:1:1 ratio of leucine, isoleucine, and valine. As a versatile formula, Pro BCAA is specifically designed to benefit both pre-, during, and post-workouts. For the pre- and during workout, this comprehensive formula is designed to support the energy fuels needed for high intensity and endurance workouts. For the post-workout, it functions to support rapid recovery, muscle anabolism and anti-catabolic effects.

The BCAAs (leucine, valine and isoleucine) are known to be highly concentrated in muscles (35%) and have been shown to serve as important fuel sources for skeletal muscles during periods of high-intensity exercise. The BCAAs, particularly leucine, have powerful anabolic effects on protein metabolism by increasing the rate of protein synthesis and decreasing the rate of protein breakdown in human muscle. Additionally, during recovery from endurance exercise, BCAAs have been shown to have an anabolic effect in human muscle by activating key enzymes in protein synthesis. The BCAAs improve protein and nitrogen balance in muscle, preserve muscle glycogen reserves, suppress protein catabolism, and overall have an anti-catabolic effect.†

The highly concentrated levels of leucine found in Pro BCAA promotes protein synthesis by mediating the signaling pathways controlling protein synthesis involving the phosphorylation of the target enzymes Akt/mTOR, a protein kinase and the sequential stimulation of p70 ribosomal S6 kinase (p70 S6K) through enhanced translation of specific mRNAs. The Akt/mTOR pathway in muscle is upregulated during the hypertrophy (increase in muscle size) phase. Additionally, the BCAAs stimulate the production of the amino acids alanine and glutamine.†

Citrulline malate promotes anaerobic energy production for high-intensity exercise along with aerobic energy production for lower to moderate intensity workouts. Citrulline malate promotes the removal of lactate and ammonia from muscle cells, reduces muscle fatigue and supports arginine synthesis and superior for nitric oxide (NO) production.

Glutamine is a “conditionally essential” amino acid and is the most abundant amino acid in the body and in muscles (60%). Glutamine serves as the metabolic fuel for intestinal enterocytes and a precursor for glucose in gluconeogenesis, preferentially used by cells of the immune system and for the anti-oxidant glutathione. The metabolic pool and plasma levels of glutamine are often depleted during exercise, microtrauma and inflammation of the muscle fibers.† Glutamine is a “workhorse” amino acid to prevent protein catabolism (breakdown) and clearly anti-catabolic.

† 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.
Supplement Facts

Serving Size: Two (2) scoops (Approx. 11.7 g)
Servings Per Container: Thirty (30)

<table>
<thead>
<tr>
<th>Vitamin</th>
<th>Amount Per Serving</th>
<th>% DV*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin B6</td>
<td>10 mg</td>
<td>50%</td>
</tr>
<tr>
<td>Vitamin C</td>
<td>60 mg</td>
<td>100%</td>
</tr>
<tr>
<td>Biotin</td>
<td>300 mcg</td>
<td>100%</td>
</tr>
<tr>
<td>Pro BCAA &amp; Amino Acid Proprietary Blend</td>
<td>11.4 g</td>
<td>**</td>
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</tbody>
</table>

*Percent Daily Values are based on a 2,000 calorie diet. **Daily Value not established.

Directions: As a dietary supplement mix two (2) scoops (approximately 11.7 g) with 16 ounces of pure cold water. Stir briskly or shake in a closed container until mixed. Best if consumed immediately before, during or after a workout. Add sweetener, increase water or juice content for taste preference.

Other Ingredients (Fruit Punch): Natural and artificial flavors (FD&C Red No. 40 and Blue No. 1), aspartame, sucralose, potassium citrate.

Other Ingredients (Grape): Natural and artificial flavors (FD&C Red No. 40 Lake, Red No. 40, Blue No. 1 Lake, Blue No. 1), aspartame, sucralose, potassium citrate.

Other Ingredients (Lime): Natural and artificial flavors (FD&C Yellow No. 5 and Blue No. 1), aspartame, sucralose, potassium citrate.

Other Ingredients (Pink Lemonade): Natural and artificial flavors (FD & C Red No. 40), aspartame, sucralose, potassium citrate.

Other Ingredients (Strawberry Lemonade): Natural and artificial flavors (FD&C Red No. 40), aspartame, sucralose, potassium citrate.

Other Ingredients (Tangerine): Natural and artificial flavors (FD & C Yellow No. 6), aspartame, sucralose, potassium citrate.

Other Ingredients (Unflavored): Aspartame, sucralose, potassium citrate.

Other Ingredients (Watermelon): Natural and artificial flavors (FD & C Red No. 40), aspartame, sucralose, potassium citrate.

Manufactured in a cGMP facility that processes milk, egg, fish, crustacean shellfish, tree nuts, wheat and soybeans.

WARNING STATEMENT: Consult a physician before starting any diet and exercise program and before using this product. Discontinue use and call a physician or licensed qualified health care professional immediately if you experience unexpected side effects. If pregnant, nursing or taking prescription medications, consult a licensed health care practitioner prior to use.

KEEP OUT OF REACH OF CHILDREN.

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

(Cont’d from p.1)

Glycine supports natural Growth Hormone and adds to the pleasant flavor of Pro BCAA.

Vitamins B6, B12 and Biotin are metabolic cofactors for enhanced biochemical utilization of the BCAAs. Pro BCAA is designed to be used as a pre-workout, during workout, anti-catabolic, post-recovery formula. To be used during strength or endurance exercise to decrease the catabolic activity of muscles.

Please read all warnings and directions before taking this product. Consult a physician before starting any diet or exercise program.

KEY MESSAGES – (Cont’d from p.1)

• Contains citrulline malate with promotes aerobic energy production, functions to remove lactic acid and ammonia from muscles, reduces muscle fatigue and supports the synthesis of the amino acid arginine for superior nitric oxide (NO) production.†

• Contains glycline for additional Growth Hormone support.†

• Contains Vitamins B6, B12 and Biotin which are essential metabolic enzymatic cofactors for enhanced biochemical utilization of the BCAAs.†

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