

OraPenn™ SD Anhydrous

High Liposome Sublingual Vehicle / With Bitter-Bloc™ Technology

OraPenn SD allows for easy compounding of lipophilic/hydrophilic APIs, where oral administration in sublingual drops form is appropriate. In addition to its ability to suspend a relatively high API load with excellent content uniformity, OraPenn SD was specially formulated with a high liposome content, allowing improved drug solubility, bioavailability, and buccal absorption when administered correctly.

OraPenn is available as unsweetened and naturally sweetened with our TruClear Stevia Plus™ for optimal palatability and is fortified with our proprietary Bitter-Bloc™ Technology (2000 ppm) making it an ideal base where oral drug delivery is needed. This vehicle is naturally preservative-free and anhydrous allowing for an improved stability profile including 180-day beyond-use dating (BUD) per USP <795>.

What is Bitter-Bloc™ Technology?

Bitter-Bloc™ is the next generation technology protein to block flavor defects *Naturally*.

Other products on the market simply *mask* flavor defects, Bitter-Bloc™ *blocks* flavor defects from reaching taste receptors on the tongue to prevent the bitter molecules from binding with the receptor sites. In effect, it gives the product a cleaner taste. Bitter-Bloc™ is an organic, water-soluble protein that a validated 3rd party study shows that it effectively modulates 18 of the 25 bitter taste receptors on the tongue, therefore maximizing the reduction in bitterness perception. Bitter-Bloc™ works to eliminate bitter, salty, metallic, astringent, and general off-notes in a variety of oral formulations.

OraPenn™ SD

- ✓ Pediatric/Geriatric Compounding
- ✓ HRT Compounding
- ✓ Veterinary Compounding

HIGHLIGHTS:

- HIGH LIPOSOME/PHOSPHOLIPIDS CONTENT
- ANHYDROUS
- NATURAL INGREDIENTS
- OXIDATION RESISTANT
- EXCELLENT SUSPENDING PROPERTIES
- AVAILABLE AS UNSWEETENED AND NATURALLY SWEETENED
- FORTIFIED WITH BITTER-BLOC™ TECHNOLOGY (2000 PPM)
- KOSHER CERTIFIED INGREDIENTS
- PRESERVATIVE AND DYE FREE
- ALLERGEN-FREE / GLUTEN-FREE
- OIL MISICBLE FLAVOR READY
- 180-DAY BEYOND-USE DATING (BUD) PER USP <795>
- FREE FROM CORN, SOY, DAIRY, TREE NUTS, SUGAR, PEANUTS, OR WHEAT

| OraPenn™ SD Sweetened | |
|-------------------------|--------|
| SKU | Size |
| B0227-95 | 120 ml |
| B0227-80 | 500 ml |
| B0227-85 | 4L |
| OraPenn™ SD Unsweetened | |
| SKU | Size |
| B0228-95 | 120 ml |
| B0228-80 | 500 ml |
| B0228-85 | 4L |

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Technical Data Sheet

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| CATEGORY | OraPenn SD allows for easy compounding of lipophilic/hydrophilic APIs, where oral administration in sublingual drops form is appropriate. Solubility and bioavailability enhancement. For compounding pediatric, geriatric, HRT, and veterinary type oral/buccal preparations. Additional flavors, colors, and sweeteners can be easily incorporated. |
| INGREDIENTS | <p>Sweetened: Medium Chain Triglycerides (MCT), Phospholipids, Bitter-Bloc™(Natural Flavor Enhancer), Stevia (TruClear Stevia Plus™), and other inert ingredients. (Sugar & artificial sweetener free)</p> <p>UnSweetened: Medium Chain Triglycerides (MCT), Phospholipids, Bitter-Bloc™(Natural Flavor Enhancer), and other inert ingredients.</p> |
| ALLERGY | Per the 2004 Food Allergen Labeling and Consumer Protection Act, no allergen declarations are required for this product as relating to corn, milk, egg, tree nuts, fish, crustacean shellfish, wheat, peanuts, gluten, and soybeans. |
| KOSHER STATUS | Kosher Certified Ingredients |
| TECHNICAL DATA | <p>Description: translucent yellow liquid</p> <p>Shelf Life: 2 years from date of manufacture when stored in its original, unopened container in a cool dry place. Ingredients are naturally oxidation resistant. Density approx. 0.98 g/ml.</p> <p>Triglycerides Acid Value Specification is ≤ 0.20 mgKOH/g.</p> |
| SAFETY DATA | All ingredients classified as “Generally Recognized As Safe” (GRAS) and inactive excipient ingredients by the US FDA. |
| HANDLING AND STORAGE | <p>Comment: Shake well prior to use.</p> <p>Storage Conditions: Product can be stored at ambient conditions for temperature 18-26°C, pressure, and humidity. Product should be kept in a tightly sealed container, under cool and dry conditions.</p> |
| COMMENTS | <p>Contact an SRx Representative for use guidance. MSDS available upon request.</p> <p>Product may dissolve graduated ink markings on certain dispensing syringes. Care should be taken to prevent contact with markings and labels. If dispensed in an oral syringe style dispenser, it is recommended to use a one-piece plunger style rather than a plunger with silicone coated rubber grommet.</p> |