

## Techna 10™ SF UNSWEETENED

Troche Base

**Techna 10™ SF (Unsweetened)** is a proprietary troche base that offers an improved mouthfeel, relatively quick dissolution rate, and a smooth finished product surface finish. Despite containing reduced levels of Polyethylene Glycol (PEG), it can still tolerate a relatively high API load. It is sugar-free and includes natural suspending agents and other natural flavor enhancers. Fortified with Bitter-Bloc™ Technology, our natural bitterness blocker that is excellent at blocking bitter and metallic off-notes at the oral receptor sites from numerous compounds such as progesterone. It is ready for the addition of actives, flavors, and colors.

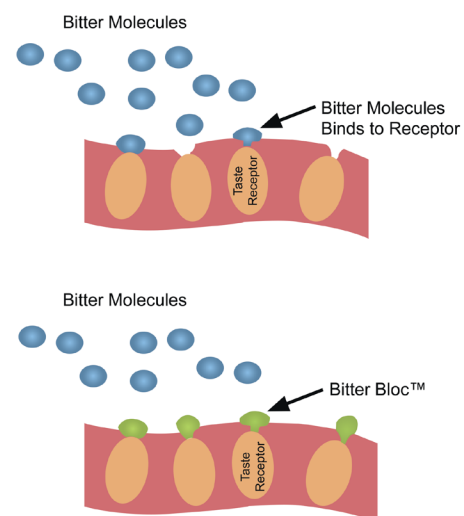
SKU	Size	NDC/Reference No.
B0064-40	100 g	72467-0064-40
B0064-50	500 g	72467-0064-50
B0064-60	2.5 kg	72467-0064-60
B0064-65	5 kg	72467-0064-65
B0064-70	10 kg	72467-0064-70
B0064-75	25 kg	72467-0064-75

### Highlights:

- ✓ Improved surface finish
- ✓ Reduced PEG content
- ✓ Natural thickeners
- ✓ Smooth mouthfeel
- ✓ Anhydrous (extended beyond-use dating)
- ✓ Great taste
- ✓ Gluten-free
- ✓ Non-GMO/vegan compliant
- ✓ Excellent friability properties
- ✓ Water miscible flavor ready
- ✓ Ideal melting range of 42-46°C
- ✓ Classified GRAS status organic ingredients
- ✓ Water and oil miscible
- ✓ Low pH stable
- ✓ No allergy declarations

### How Bitter-Bloc™ Technology Works:

Bitter-Bloc™ is an advanced protein technology that naturally blocks flavor defects in various applications, addressing palatability issues found in many APIs and excipients. Unlike other products that merely mask unpleasant flavors, this innovative solution effectively prevents these defects from reaching taste buds, resulting in a cleaner taste profile. This organic, water-soluble protein has been validated by third-party studies to modulate over 16 of the 25 bitter taste receptors on the tongue, significantly reducing bitterness perception. Additionally, it eliminates salty, metallic, astringent, and other off-notes in liquid, powder, or tablet-based oral formulations. With its versatile formulation capabilities, this protein technology offers a comprehensive solution for improving the taste profiles of compounded prescriptions, enhancing patient compliance and satisfaction.



Category	Troche Base
Appearance	White to off-white granules and chunks
Description	Techna 10™ SF (Unsweetened) is an anhydrous, sugar-free troche base that incorporates a unique natural bitter blocking technology for use in lozenge type oral/buccal cavity preparations. Enhanced with natural suspending agents, it is ideally suited for buccal absorption of APIs. Additional flavors, colors, and sweeteners can be easily incorporated. To compound, heat Techna 10™ SF to near 50°C until liquified while stirring. Add APIs to liquid and mix uniformly. Pour into SmartScripps™ Troche Mold and allow to cool to room temperature.
Ingredients	A proprietary pharmaceutical grade Polyethylene Glycol blend that includes natural gums (natural thickening/suspending agents) and our Bitter-Bloc™ (natural bitter blocker/flavor enhancer).
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 nut, fish, crustacean shellfish, wheat, peanuts, and soybeans. Gluten-free, non-GMO/vegan compliant.
Technical Data	Melting range: 42-46°C Shelf Life: 2 years from date of manufacture when stored in original, unopened container. Density, g/cm <sup>3</sup> at 60°C approx. 1.2 Avg 1.195 g/SmartScripps™ Troche Mold cavity.
Safety Data	All ingredients classified as “Generally Recognized As Safe” (GRAS) and inactive excipient ingredients by the US FDA. For information on the toxicology and safety of this product, please consult the material safety data sheet (MSDS).
Handling & Storage	Comment: Due to some fine particles, this product is liable to become compacted or conglomerated. Storage Conditions: Product can be stored at ambient conditions for temperature, pressure, and humidity. Product should be kept in a tightly sealed container, under cool and dry conditions below melting range or refrigerated.
Comments	SpecializedRx makes no warranties or claims to the accuracy or completeness of the above information given the variations in use and formulations.