

Acid-Free Candelilla



Acid-Free Candelilla, or Cetearyl Candelillate, is a derivative of Candelilla Wax. The free acids of Candelilla are reduced using vegetable based cetearyl alcohol to create a more amorphous wax with reduced crystallinity through a reaction to a low acid value. This reduction in acid value, through the formation of esters, lowers the potential for interaction with other cosmetic raw materials such as the free ions found in many cosmetic pigments.

Applications:

Skin Care Products, Lipsticks, Lip Balms, Leather Dressings, Polishes, Varnishes, Sealing Waxes, Insulating Compositions, Rubber Waterproofing, Soft Wax Stiffeners, Lubricants, and Adhesives.

Advantages:

Acid-Free Candelilla is highly compatible, inhibits crystallization, and acts as a gellant. Acid-Free Candelilla also has water repellent, moisturizing, and film forming properties.

Regulatory:

INCI NAME: Cetearyl Candelillate CAS#: 138724-54-6

| Wax# | Wax Name | Melting Point | Acid Value | Saponification Value | Color |
|---------------------|---------------------------|---------------|---------------------------|----------------------|------------------------|
| 102 | Double Refined Candelilla | 68.5 - 72°C | 12 - 22 | 45 - 65 | Yellow |
| 204 | Candelilla 204 | 68.5 - 72.5°C | 11 - 22 | 44 - 66 | Yellow |
| 419 | NF Candelilla Wax | 68.5 - 72.5°C | 12 - 22 | 43 - 65 | Light Yellow to Yellow |
| 152 | Acid Free Candelilla | 62 - 72°C | ≤ 2.0 | 45 - 60 | Light Yellow Brown |
| 148 | Synthetic Candelilla | 72.5 - 82.5°C | 14 - 25 | 44 - 66 | Light Yellow |
| COMPOSITION: | | | | | |
| Hydrocarbons | | Monoesters | Alcohols, Sterols, Resins | | Fatty Acids |
| 50 - 65% | | 27 - 35% | 10 - 15% | | 7 - 10% |

Specific waxes that are most appropriate for this category have been highlighted here