

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