

ABWax® Guideline



Waxes for cosmetic applications

Deep knowledge of the products

Continuous research of innovative formulations

Tailor made products, batch customization

Commitment to NIP® program for a sustainable development

Brasca

Division of ROELMI•HPC

abpersonalcare.com

ABWax® Guideline

MIMETIC LINE



The responsible choice aimed to reach impact Zero on local agriculture.

For a 100% **NIP® program** target, non-edible fractions, from cutting-edge technology, miming natural waxes properties in a safe and ethical way.

All year availability.

	Drop point (°C)	Acid value (mg KOH/g)	Saponification value (mgKOH/g)
ABWax® Candelilla LP	72 - 80	12 - 22	55 - 85
ABWax® Candelilla SC	72 - 80	12 - 22	55 - 85

VIRIDIS LINE



The future in the past: an ethical guideline to rediscover ancient textures renewed by Brasca's long term commitment to excellence.

A wide range of non-edible fractions coming from the highest quality sources complying with ethical and responsible **NIP® program**.

Applications in use are supported by our high expertised R&D team, available to help customers in the formulation process.

(*) *organic grade available*

	Drop point (°C)	Acid value (mg KOH/g)	Saponification value (mgKOH/g)
ABWax® Rhus wax	49 - 56	≤ 30	205 - 225
ABWax® Rice wax	70 - 85	≤ 20	65 - 120
ABWax® Sunflower wax	75 - 80	≤ 12	75 - 105
ABWax® Carnauba T1 (*)	80 - 87	2 - 6	77 - 90
ABWax® Carnauba T3	82 - 87	3 - 10	77 - 90
ABWax® Refined Candelilla	69 - 73	12 - 22	43 - 63
ABWax® Light Candelilla	69 - 73	12 - 22	43 - 63

BEESWAX LINE



The widest range for the best-known cosmetics ingredients since ancient times.

ABWax® Beeswax line is composed of natural and synthetic waxes to create a complete way of choice and prevent bees abuse.

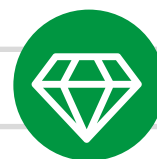
Synthetic beeswax are intended to minimize the impact of cosmetic formulation on the bees environment, directly linked to human agriculture contribute: as per **NIP® commitment**.

(**) *organic & food grade available*

	Drop point (°C)	Acid value (mg KOH/g)	Saponification value (mgKOH/g)
ABWax® White Beeswax FU (**)	61 - 66	17 - 24	87 - 104
ABWax® White Beeswax	61 - 66	17 - 24	87 - 104
ABWax® White Beeswax Hair wax	61 - 66	17 - 24	77 - 110
ABWax® Yellow Beeswax	61 - 66	17 - 22	87 - 102
ABWax® Yellow Beeswax Virgin	61 - 66	17 - 22	87 - 102
ABWax® Synthetic White Beeswax	61 - 65	17 - 24	87 - 104
ABWax® Synthetic Yellow Beeswax	61 - 65	17 - 24	87 - 104
ABWax® Synthetic Beeswax SD1	60 - 68	20 - 26	140 - 160

Focus on ingredients

MINERAL LINE



Guaranteed performances with cost-in-use recognized benefits.

High refined grades permit to reach the highest level of quality, linked to a reliable reproducibility.

Ready for **REACH**.

A full range of **2014 COLIPA recommendations** complying microcrystalline waxes.

Brasca's responsible choice to guarantee the highest **People's safety** in line with **NIP® program**.

Quality standards of ABWax® Mineral line are the results of many decades of experience in cosmetic applications.

	Drop point (°C)	Congealing point (°C)	Penetration (dmm)
ABWax® Micro MA 82	~ 92	78 - 84	5 - 15
ABWax® Micro LA 60	~ 68	62 - 66	20 - 35
ABWax® Micro LA 76	76 - 83	~ 68.2	25 - 35
ABWax® Micro HA 86	~ 90	84 - 88	< 18
ABWax® Ozokerite MA 78	~ 89	75 - 81	10 - 25
ABWax® Micro MA 84	~ 96	82 - 88	< 10
ABWax® Micro HA 84	~ 94	81 - 87	< 2
ABWax® Micro LA 90	~ 107	87 - 93	< 2
ABWax® Micro MA 80	~ 89	77 - 83	10 - 25
ABWax® Ceresin LA 74	~ 80	71 - 77	10 - 25

Both internal and international quality standards are followed to excel, by supplying customers with a complete and concrete portfolio in terms of performance and safety.

FDA approval confirms the strict control on **People's safety** in line with **NIP® program**.

	Congealing point (°C)	Penetration (25 °C, dmm)	Oil content (%)
ABWax® Paraffin 48-50	48 - 50	40 - 65	≤ 4
ABWax® Paraffin 52-54	52 - 54	15 - 22	≤ 0.5
ABWax® Paraffin 56-58	56 - 58	12 - 18	≤ 0.5
ABWax® Paraffin 62-64	62 - 64	16 - 20	≤ 0.8

SYNTHETIC LINE



Never ending surprises.

ABWax® Synt 220 is the alternative MOH free to crude oil origin waxes thanks to the innovative GTL technology to pursuit an enhanced **People's safety** in line with **NIP®**.

ABWax® Polyethylene waxes demonstrate positive cost-in-use impact thanks to a particular structuring power linked to their physical properties (low density).

An enhanced performance confirms the great **No Impact in Progress®**

	Congealing point (°C)	Viscosity (cPs @ 135 °C)	Hardness (dmm)
ABWax® Synt 220	96 - 100	6 - 10	≤ 1

	Congealing point (°C)	Density (gr/cm³)	Viscosity (mm²/S)
ABWax® PE 9394	100 - 106	0.93 - 0.94	450 - 850
ABWax® PE 9193	95 - 105	0.91 - 0.93	900 - 1600

Data here reported are for guidance only. Please refer to updated technical documentation.

✔ ABWax® Line: cosmetic waxes

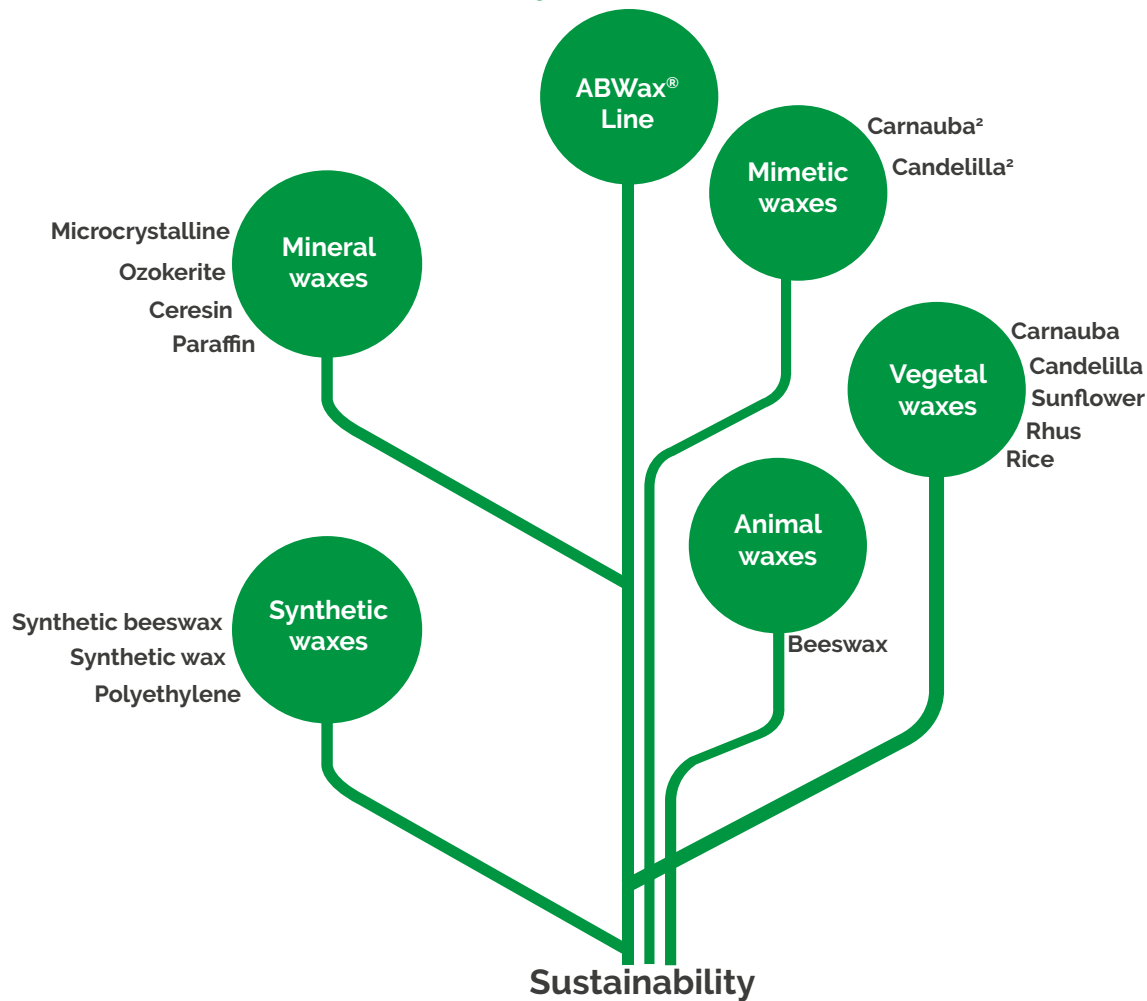
On-site quality control laboratory has allowed us to have historical constant quality and performances on our ingredients, ensuring client requirements and satisfaction, aiming at Sustainability.

Brasca's know-how in technical and regulatory assistance is at your disposal to answer all questions about waxes new applications, synergies, tailor-made combinations, functionalities and uses, and to help you find the best reference or synergy of references to achieve your objectives.

ABWax® Line can be used in all different applications:

- ✔ MAKE-UP (lipsticks, mascaras, eye and lip pencils)
- ✔ BODY CARE (emulsions, balms, pomades, cold creams, depilatory waxes)
- ✔ HAIR CARE (hair styling)
- ✔ SUN CARE (creams and emulsions)

✔ ABWax® Line: the tree of sustainability



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