

Services and price list

(Date: July 2022)

The listed methods are the most common / most needed methods for beeswax analysis in the EU. We can provide you all analysis regarding USP, JEFCA, ASTM, RAL and many more. We will be pleased to make you an individual offer.

Beeswax

Analysis-No.	Specification	Method	Price (€) per Sample
BW001	Beeswax adulterations (qualitative analysis)	In-house-method (GC)	108.00
BW002	Total-hydrocarbons	DGF M-V-6	91.00
BW003	Dropping point	Ph. Eur. 10.0/2.02.17.00	36.50
BW004	Acid value	Ph. Eur. 10.0/0070	40.50
BW005	Ester value (combined with acid value)	Ph. Eur. 10.0/2.05.02.00	40.50
BW006	Saponification value	Ph. Eur. 10.0/0070	81.00
BW007	Ratio number	Ph. Eur. 6.0	81.00 (incl.BW004/5)
BW008	Ceresin, paraffine and other waxes	Ph. Eur. 10.0/0070	73.50
BW009	Glycerol and other polyols	Ph. Eur. 10.0/0070	99.00
BW010	Melting point	Ph. Eur. 10.0/2.02.15.00	36.50
BW011	Congealing point	DGF M-III-4a	20.50
BW012	Water content	DGF M-V-2	89.50
BW013	Insoluble components	DGF M-V-3	89.00
BW014	Solubility	EFSA (E901)	40.50
BW015	Density	DGF M-III-2a / EFSA E901	65.00
BW016	Peroxide value	EFSA (E901)	54.00
BW017	Fat, Japan wax, resins and soaps	EFSA (E901)	78.00
BW018	Fat, fatty acids, resin, soaps	USP	78.00
BW019	Bleachability	In-house-method	66.00
BW020	Burning behavior (beeswax candles)	RAL GZ 041	52.00
BW021	Sensory evaluation / testing	Ph. Eur. 9.0/0070	23.00
BW022	Test on purity (paraffin, fat, Japan wax, resin)	J. Ph.	65.00
BW031	Refraction Index	DIN 51423-2, ASTM D1747	47.00

Analysis-No.	Packages	Price (€) per Sample
BW100	Ph. Eur. Beeswax Dropping point, Acid- / Ester- / Saponification value, Ceresin, Paraffin and other waxes, Glycerol and other polyols	290.00
BW101	E901 Beeswax Melting point, Density, Solubility, Acid- / Ester- / Saponification value, Ceresin, Paraffin and other waxes, Glycerol and other polyols, Fat, fatty acids, resin, soaps, Heavy Metals (Arsen, Lead, Mercury)	498,-

Carnaubawax

Analysis-No.	Specification	Method	Price (€) per Sample
CAR01	Wax adulterations (Paraffin, Stearin etc.; qualitative)	In-house-method (GC)	108.00
CAR02	Total hydrocarbons	DGF M-V-6	91.00
CAR04	Acid value	Ph. Eur.10.0/0597	40.50
CAR05	Ester value (combined with acid value)	Ph. Eur. 10.0/0597	40.50
CAR06	Saponification value	Ph. Eur. 10.0/0597	81.00
CAR07	Ratio number	Ph. Eur. 6.0	81.00 (incl. CAR04/5)
CAR10	Melting point	Ph. Eur.10.0/2.02.15.00	36.50
CAR14	Solubility	Ph. Eur. 10.0/0597	40.50
CAR15	Density	DGF M-III-2a / EFSA E903	65.00
CAR21	Ash	Ph. Eur. 10.0/2.04.16.00	67.00
CAR22	Sulfate ash	Ph. Eur. 10.0/2.04.14.00 / EFSA E903	81.00
CAR16	Peroxide value	DGF C-VI-6a	54.00
CAR23	Unsaponifiable matter	DGF M-V-5 / EFSA E903 (mod.)	124.00

Candelilla, sunflower wax, Japan wax and other waxes

We do analysis of all common waxes based on all national and international analysis methods.

Analysen-Nr.	Beschreibung	Methode	Price (€) per Sample
WX001	Water content	DGF-M-V-2	89.50
WX002	Total hydrocarbons	DGF M-V-6	91.00
WX003	Dropping point	Ph. Eur. 10.0	36.50
WX010	Melting point	Ph. Eur. 10.0/2.02.15.00	36.50
WX011	Congealing point	DGF M-III-4a	20.50
WX006	Alkalizahl	DGF M-IV-4	45.00
WX007	Iodine number	DGF M-IV-5	87.00
WX008	Hydroxyl number	DGF M-IV-6	134.50
WX009	Carbonylzahl	DGF M-IV-	157.00
WX014	Solubility	Ph. Eur. 10.0/0597	40.50
WX015	Density	DGF M-III-2a / EFSA E903	65.00
WX016	Peroxide value	DGF C-VI-6a	54.00
WX017	Relative density	Pyknometer	105.00
WX021	Sensorical parameters	In-house-method	36.00
WX023	Unsaponifiable matter	DGF M-V-5	122.00
WX024	Acidity	DGF C-V 2	51.00
WX025	Acid value	10.0/ 2.05.01.00	40.50
WX026	Ester value (incl. acid and saponification value)	10.0/ 2.05.02.00	81.00
WX027	Saponification value (only in combination with ester value)	10.0/ 2.05.06.00	40.50
WX031	Refraction index		47.00
WX032	Viscosity at 100°C	DIN EN ISO 3104	88.00
WX013	Insoluble components	DGF-M-V-3	89.00
WX041	Colour (Gardner)		73.00
WX042	Colour (Seybold)		77.00
WX40	Fatty acids spectrum	DGF C-6-10a	139.00
WX004	Needle penetration	DGF M-III-9b	36.50

Heavy metals

Analysis-No.	Specification	Method	Price (€) per Sample
HM01	Aqua Regia digestion	DIN EN 13657	22.00
HM02	Digestion (food standard: detection limit 0,02 mg/kg)	DIN EN ISO 15587-2	26.50
HM03	Heavy metals	DIN EN 16171	26.00 element

Residues of pesticides, varroacides, neonicotinoids and antibiotics

Analysis-No.	Specification	Method	Price (€) per Sample
VP01B	Pesticides and varroacides (list of analyzed substances and limit of detection based on the actual Ph. Eur.) ONLY FOR BEESWAX		241.00
VP01	Pesticides and varroacides (list of analyzed substances and limit of detection based on the actual Ph. Eur.)		255.00
VP02	Thymol, para-Dichlorbenzol, Flumethrine (for other substances please contact us)		119.00- per substance
	Package: Pesticides and varroacides plus further substances		Please contact us
AB01	Chloramphicole		135.00
AB02	Amphenicole (Chlor-, Thiamphenicoel, Florfenicole)		159.00
AB03	Nitroflurane		235.00
AB04	Tetracycline		137.00
AB05	Sulfonamide u. Trimethroprin		137.00-
AB06	Streptomycin		137.00
AB07	Makrolide (Tylosin A, Summe Erythromicin-A, Lincomycin)		110.00
AB08	Fluorochinolone (Ciprofloxacin, Enrofloxacin, Norfloxacin, Ofloxacin)		110.00