

Analizni certifikat BOR BIO

1. Splošne informacije	
Izdelek:	BOR BIO
Botanično ime:	Pinus sylvestris
Poreklo:	Bolgarija
Način pridobivanja:	Ekološko eterično olje, pridobljeno s parno destilacijo iglic
Kakovost:	BIO, SI-EKO-001
Priporočena uporaba:	naravna aroma/dišave
Ean koda izdelka:	3830013770662
Carinska tarifa:	33012941
Štev. šarže-lot:	L-202509301
Rok uporabnosti:	30.09.2029
Shranjevanje:	v hladnem in suhem, zaščiteno pred svetlobo
CAS:	8023-99-2 / 84012-35-1
EINECS:	281-679-2
2. Senzorika /organoleptične lastnosti:	
Oblika:	tekočina
Barva:	brezbarvna do svetlo rumena
Vonj:	značilen, po iglicah
3. Fizikalni parametri:	
Gostota:	0.865 g/cm ³
Refrakcijski indeks (20 st)	1,473
Optična rotacija (20 st):	-22.04 °
Peroksidno število:	2.47
4. Sestavine-analiza GC:	
	%
Santene CAS:529-16-8; EC:-	0.072
Tricyclene CAS: 508-32-7; EC:208-083-7	0.106
Alpha Pinene CAS: 80-56-8, 201-291-9	53.76
Beta Pinene CAS: 127-91-3, EC: 242-060-2	11.03
Camphene CAS: 79-92-5, EC: 201-234-8	1.23
Sabinene CAS: 3387-41-5; EC: 222-212-4	0.06
Car-3-ene CAS Nr. 13466-78-9, EC: 236-719-3	11,75
b-Myrcene CAS: 123-35-3, EC: 204-622-5	5.16
Alpha-Phellandrene CAS: 99-83-2; EC:202-792-5	0.09
Alpha Terpinene CAS: 99-86-5; EC:202-795-1	0.26
Limonene CAS Nr: 138-86-3, EC:205-341-0	7.79
Beta -Phellandrene + 1,8 Cineole	0.78
Gamma-Terpinene CAS: 99-85-4; EC: 202-794-6	0.23
p-Cymene CAS:99-87-6; EC:202-796-7	0.73
Terpinolene CAS Nr: 586-62-9, EC: 209-578-0	0.77
Camphor CAS:76-22-2; EC: 200-945-0	0.02
Longifolene CAS: 475-20-7; EC:207-491-2	0.70

Bornyl acetate	0.85
Beta-Caryophyllene CAS:87-44-5; EC:201-746-1	2.64
Alpha-Humulene CAS:6753-98-6; EC:229-816-7	0.24
Alpha-Terpineol CAS:98-55-5; EC:202-680-6	0.71
Borneol CAS: 464-43-7; EC:207-352-6	0.10
Delta-Cadinene CAS:483-76-1; EC: 866-559-5	0.16
Caryophyllene oxide CAS:1139-30-6; EC:214-519-7	0.11

5. Kontaminanti

Pesticidi: < 0.01 mg/kg

6 A. Seznam alergenov Po Uredbi (ES) št. 1223/2009

INCI / sestavina	CAS št.	EC št.	Vsebnost % (analiza GC)
Benzyl Alcohol	100-51-6	202-859-9	
Amyl Cinnamal	122-40-7	204-541-5	
Cinnamyl Alcohol	104-54-1	203-212-3	
Citral	5392-40-5	226-394-6	
Eugenol	97-53-0	202-589-1	
Hydroxycitronellal	107-75-5	203-518-7	
Isoeugenol	97-54-1	202-590-7	
Amylcinnamyl Alcohol	101-85-9	202-982-8	
Benzyl Salicylate	118-58-1	204-262-9	
Cinnamal (Cinnamaldehyde)	104-55-2	203-213-9	
Coumarin	91-64-5	202-086-7	
Geraniol	106-24-1	203-377-1	
Anise Alcohol	105-13-5	203-273-6	
Benzyl Cinnamate	103-41-3	203-109-3	
Farnesol	4602-84-0	225-004-1	
Linalool	78-70-6	201-134-4	
Benzyl Benzoate	120-51-4	204-402-9	
Citronellol	106-22-9	203-375-0	
Hexyl Cinnamal	101-86-0	202-983-3	
Limonene	5989-27-5	227-813-5	7.79
Methyl 2-Octynoate (Methyl Heptine Carbonate)	111-12-6	203-836-6	
Alpha-Isomethyl Ionone	127-51-5	204-846-3	
Evernia prunastri Extract (Oakmoss)	90028-68-5	289-861-3	
Evernia furfuracea Extract (Treemoss)	90028-67-4	289-860-8	

6 B. Seznam snovi in dišavnih snovi na razširjenem seznamu Po Uredbi (EU) 2023/1545

Cananga Odorata Flower Oil/Extract (Ylang Ylang)	83863-30-3; 8006-81-3; 68606-83-7; 93686-30-7	281-092-1; —; —; 297-681-1	
Cedrus Atlantica Oil/Extract (Bark/Leaf/Wood)	92201-55-3; 8023-85-6	295-985-9; —	
Cinnamomum Cassia Leaf Oil	8007-80-5; 84961-46-6	—; 284-635-0	
Cinnamomum Zeylanicum Bark Oil	8015-91-6; 84649-98-9	—, 283-479-0	
Citrus Aurantium Bergamia Peel Oil (Bergamot)	68648-33-9; 8007-75-8; 85049-52-1	616-915-9; 289-612-9; 616-915-9	
Citrus Aurantium Amara/Dulcis Flower Oil (Neroli/Orange blossom)	72968-50-4; 8028-48-6; 8016-38-4	277-143-2; 232-433-8; —	
Citrus Aurantium Amara/Dulcis Peel Oil	68916-04-1; 72968-50-4; 97766-30-8; 8028-48-6; 8008-57-9	—; 277-143-2; 307-891-8; 232-433-8; —	
Citrus Limon Peel Oil (Lemon)	84929-31-7; 8008-56-8	284-515-8; —	
Lemongrass Oils (Cymbopogon citratus/schoenanthus/flexuosus)	8007-02-1; 89998-16-3; 91844-92-7	—; 289-754-1; 295-161-9	

Eucalyptus Globulus Oil (Leaf/Leaf-Twig)	97926-40-4; 8000-48-4	308-257-3; 616-775-9	
Jasmine Oil/Extract	84776-64-7; 90045-94-6; 8022-96-6; 8024-43-9	283-993-5; 289-960-1; —; —	
Juniperus Virginiana Oil (Cedarwood, Virginia)	8000-27-9; 85085-41-2	—; 285-370-3	
Laurus Nobilis Leaf Oil (Bay Laurel)	8002-41-3; 8007-48-5; 84603-73-6	—; —; 283-272-5	
Lavandula Hybrida/Intermedia/Angustifolia Oils/Extracts	91722-69-9; 8022-15-9; 93455-96-0; 93455-97-1; 92623-76-2; 84776-65-8; 8000-28-0; 90063-37-9	294-470-6; —; —; —; 296-408-3; 283-994-0; —; 289-995-2	
Verbena absolute	8024-12-2; 85116-63-8	—; 285-515-0	
Mentha Viridis Leaf Oil (Spearmint)	8008-79-5; 84696-51-5	616-927-4; 283-656-2	
Mentha Piperita Oil (Peppermint)	8006-90-4; 84082-70-2	—; 282-015-4	
Myroxylon Pereirae Oil/Extract (Balsam Peru)	8007-00-9	232-352-8	
Narcissus Extracts (Poeticus/Pseudonarcissus/Jonquilla/Tazetta)	90064-26-9; 68917-12-4; 90064-27-0; 90064-25-8	290-087-3; —; 290-088-9; 290-086-8	
Pelargonium Graveolens Oil/Flower Oil (Geranium)	90082-51-2; 8000-46-2	290-140-0; —	
Pinus Mugo (Leaf/ Twig) Oil/Extract	90082-72-7	290-163-6	
Pinus Pumila (Needle/ Twig/ Leaf) Oil/Extract	97676-05-6	307-681-6	
Turpentine (gum/oil, Pinus spp.)	9005-90-7; 8006-64-2; 8052-14-0	232-688-5; 232-350-7; —	
Pogostemon Cablin Oil (Patchouli)	8014-09-3; 84238-39-1	—; 282-493-4	
Rose Flower Oils/Extracts (various species)	8007-01-0; 90106-38-0; 93334-48-6; 84696-47-9; 84604-12-6; 84604-13-7; —; 92347-25-6	—; 290-260-3; 297-122-1; 283-652-0; 283-289-8; 283-290-3; —; 296-213-3	
Santalum Album Oil (Sandalwood)	8006-87-9; 84787-70-2	—; 284-111-1	
Eugenia Caryophyllus Oil (Clove) – leaf/flower/stem/bud	8000-34-8; 8015-97-2; 84961-50-2	616-772-2; —; 284-638-7	
Alpha-Terpinene	99-86-5	202-795-1	0.26
Terpinolene	586-62-9	209-578-0	0.77
Gamma Terpinene	99-85-4		0.23
Neral	106-26-3		
Rose Ketones (alpha-/beta-damascone group)	43052-87-5; 23726-94-5; 24720-09-0; 23696-85-7; 57378-68-4; 71048-82-3; 23726-92-3; 23726-91-2	—; 245-845-8; 246-430-4; 245-833-2; 260-709-8; 275-156-8; 245-843-7; 245-842-1	
3-Propylidenephthalide	17369-59-4	241-402-8	
Methyl Salicylate	119-36-8	204-317-7	
Acetyl Cedrene	32388-55-9	251-020-3	
Amyl Salicylate	2050-08-0	218-080-2	
Anethole (trans-Anethole)	104-46-1; 4180-23-8	203-205-5; 224-052-0	
Benzaldehyde	100-52-7	202-860-4	
Camphor (bornan-2-one; incl. isomers)	76-22-2; 21368-68-3; 464-49-3; 464-48-2	200-945-0; 244-350-4; 207-355-2; 207-354-7	0.02
Beta-Caryophyllene	87-44-5	201-746-1	2.64
Carvone (incl. isomers)	99-49-0; 6485-40-1; 2244-16-8	202-759-5; 229-352-5; 218-827-2	
Dimethyl Phenethyl Acetate (Dimethylbenzyl Carbonyl Acetate)	151-05-3	205-781-3	
Hexadecanolactone	109-29-5	203-662-0	
Hexamethylindanopyran (HMPCC)	1222-05-5	214-946-9	
Linalyl Acetate	115-95-7	204-116-4	
Menthol (dl-, l-, d-)	89-78-1; 1490-04-6; 2216-51-5; 15356-60-2	201-939-0; 216-074-4; 218-690-9; 239-387-8	

Trimethylcyclopentenyl Methylisopentenol	67801-20-1	267-140-4	
Salicylaldehyde (o-Hydroxy-benzaldehyde)	90-02-8	201-961-0	
Santalol (alpha-/beta-)	11031-45-1; 115-71-9; 77-42-9	234-262-4; 204-102-8; 201-027-2	
Sclareol	515-03-7	208-194-0	
Terpineol (alpha- /beta-/gamma-)	98-55-5;	202-680-6	0.71 -
Tetramethyl acetyloctahydronaphthalenes	54464-57-2; 54464-59- 4; 68155-66-8; 68155- 67-9	259-174-3; 259-175-9; 268-978-3; 268-979-9	
Trimethylbenzenepropanol	103694-68-4	403-140-4	
Vanillin	121-33-5	204-465-2	
Eugenyl Acetate	93-28-7	202-235-6	
Geranyl Acetate	105-87-3	203-341-5	
Isoeugenyl Acetate	93-29-8	202-236-1	
Alpha-Caryophyllene (alpha.Humulene)	6753-98-6	229-816-7	
Terpinene-4-ol	562-74-3	209-235-5	
Sabinene	3387-41-5	222-212-4	0.06
Pinene (alpha-/ beta-)	80-56-8 127-91-3	201-291-9 242-060-2	53.76 11.03

Datum: september 2025