

BIORUŽA, s. r. o.

Laborecká 1, 010 01 Žilina, IČO: 52234070, IČ DPH: SK2120953802, tel.: 00421 905 864 140, info@bioruza.sk

CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Cistus
LATIN NAME	<i>Cistus ladaniferus</i>
COUNTRY OF ORIGIN	Spain
CULTIVATION METHOD	Certified Organic (USDA, NOP), Wildcrafted
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Leaves/Tops
USE	Aromatherapy, Natural Perfumery, Incense

LOT #	7
MANUFACTURING DATE	September 2025
BEST BY DATE	September 2028

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.905-0.935	0.9200
REFRACTIVE INDEX @20°C	1.475-1.495	1.4839
OPTICAL ROTATION @20°C	-25° to +10°	na

PHYSICAL APPEARANCE	Transparent liquid	<i>Conforms</i>
COLOR	Yellow to dark amber	<i>Conforms</i>
ODOR	Warm, balsamic, boozy, diffusive aroma with musky/animalic notes.	<i>Conforms</i>
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS			Alpha-Pinene, Ledene.		
4.645	ethyl alcohol	0,01	18.646	trans pinocarveol	3,86
4.814	isoprene	0,17	19.213	pinocavone	1,43
5.189	furan 2 methyl	0,04	19.721	bomeol	1,30
5.247	furan 3 methyl	0,02		isopinocampnone	1,08
5.454	2,4 hexadiene	0,06	20.080	paracymenol	0,09
5.952	furan 2 ethyl	0,04	20.196	4 terpinenol	1,08
6.003	2,5-dimethylfuran	0,02	20.536	myrtenal	0,75
6.783	1,2,3-trimethylcyclopentene	0,46	20.611	alpha terpineol	0,14
6.863	toluene	0,12	20.920	myrtenol	0,81
7.151	aldehyde C8	0,05	20.993	verbenone	0,33
7.538	C8	0,02	21.668	carveol 1/2	0,37
8.456	1,3 cyclopentadiene 1,2,5,5 tetramethyl	0,06	22.170	carveol 2/2	0,07
8.635	hexyl alcohol	0,03	22.319	cuminic aldehyde	0,20
8.889	1,2,4,4 tetramethylcyclopentene	0,55	22.441	carvone	0,20
9.404	styrene	0,13	23.123	geraniol	0,03
10.814	tricyclene	0,51	24.540	thymol	0,02
	alpha thujene	0,15	24.818	bornyl acetate	3,85
11.246	benzoic aldehyde	0,24	25.069	carvacrol	0,16
	alpha pinene	24,50	26.277	myrtenyl acetate	0,39
11.532	alpha fenchene	0,05	27.230	eugenol	0,11
11.629	camphene	2,77	28.114	alpha cubebene	0,16
11.996	methyl heptenone	0,08	29.062	cyclosativene	0,55
12.269	sabinene	0,09	29.306	alpha copaene	0,49
12.498	beta pinene	0,41	29.938	sativene	0,07
12.596	furan 2 pentyl	0,07	30.713	alpha gurjunene	0,15
12.868	menthatriene 1/2	0,26	31.052	beta caryophyllene	0,17
13.303	menthatriene 2/2	0,42	31.954	aromadendrene	0,85
13.374	alpha phellandrene	0,27	32.713	alloaromadendrene	1,29
13.835	alpha terpinene	0,93	33.128	gamma muurolene	0,17
13.974	paracymene	2,72	33.641	beta selinene	0,13
14.111	2,2,6-trimethylcyclohexanone	2,48	34.137	ledene	6,73
14.329	limonene	1,03	34.589	gamma cadinene	0,10
	eucalyptol	0,48	34.715	calamenene	0,20
14.812	acetophenone	0,45	34.895	delta cadinene	1,06
15.385	gamma terpinene	1,28	35.464	alpha calacorene	0,50
16.398	dehydroparacymene	1,96	36.763	palustrol	0,47
16.605	terpinolene	0,39	36.854	spathulenol	0,26
	aldehyde C9	0,11	37.084	caryophyllene oxide	0,08
16.736	linalool	0,24	37.686	viridiflorol	5,34
17.708	alpha campholenic aldehyde	0,74	38.060	ledol	2,12
18.016	3-nonen-2-one	0,57	40.206	cadalene	0,23
18.460	camphor	0,38		Total	82,73

COMMENTS	Odor quality is excellent.
----------	----------------------------