

## TEST REPORT

No. 20-A010

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<b>Customer:</b> UAB "Livestra" (company code 305295002)	<b>Customer contact information:</b> Vasario 16-osios g. 4A-9, LT-44250 Kaunas, phone: +45 3940 2503
<b>Date of Receipt:</b> 22/06/2020 <b>Date of Testing:</b> 25/06/2020	Gas chromatography/mass spectroscopy qualitative analysis

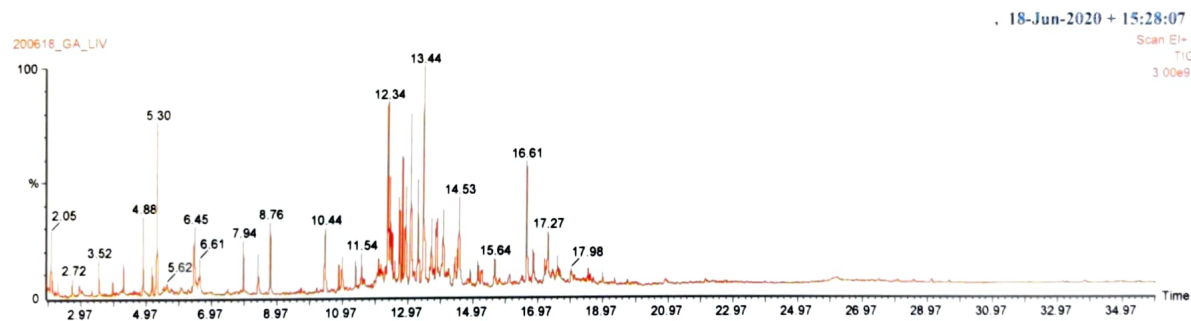
### ANALYSIS INSTRUMENTS:

- 1) Gas chromatography system AutoSystem XL, *Perkin Elmer*;
- 2) Mass spectrometer TurboMass Upgrade, *Perkin Elmer*;
- 4) Gas chromatography column DB-5 MS (30m x 0.25mm x 0.1µm), *Agilent Technologies*;

### MATERIALS AND REAGENTS:

- 1) Methanol Chromasolv >99,9% purity, (*Honeywell*);
- 2) Diethyl ether Chromasolv >98 % purity, (*Sigma Aldrich*)
- 2) Helium 5.0, 99,999 % purity (UAB „Elme Messer Lit“).

## RESULTS



Retention, time, min	Name	CAS number	Probability, %
2,05	2-methylhexane	591-76-4	34
2,72	Cyclobutane	1113-56-0	11
3,52	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	-	38
4,28	6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane	2437-95-8	10
4,88	Tricyclene	508-32-7	24
5,30	Camphene	79-92-5	31
6,45	o-Cymene	527-84-4	18
7,94	exo-Fenchol	22627-95-8	38
8,39	Camphor	76-22-2	34
8,76	Borneol	10385-78-1	33
10,44	Ledane	28580-43-0	13

10.94	10-Methyltricyclo[4.3.1.1(2,5)]undec-3-en-10-ol	70220-96-1	11
11.37	(4Z)-4-(2,6,6-Trimethyl-2-cyclohexen-1-ylidene)-2-butanone	56052-61-0	11
11.54	(E)-Longipinane	-	10
12.34	Ionone	8013-90-9	14
12.70	1,5,9,9-Tetramethyl-2-methylene-spiro[3.5]non-5-ene	-	12
12.79	(4Z)-4-(2,6,6-Trimethyl-2-cyclohexen-1-ylidene)-2-butanone	56052-61-0	18
13.05	$\alpha$ -Ionene	475-03-6	21
13.27	(2E)-2-Methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2-butenal	3155-71-3	10
13.44	4,5-Dimethyl-1,2,3,6,7,8,8a,8b-octahydrobiphenylene	106988-87-8	12
13.69	[(2,2,3,3-Tetramethylcyclopropylidene)methyl]benzene	85036-38-0	26
14.05	Bicyclo[4.1.0]heptan-2-ol, 1 $\beta$ -(3-methyl-1,3-butadienyl)-2 $\alpha$ ,6 $\beta$ -dimethyl-3 $\beta$ -acetoxy	-	40
14.53	[(1E)-2-Ethyl-4-methyl-1,3-pentadienyl]benzene	74663-67-5	17
16.61	Cedrane-8,13-diol	62600-05-9	10
17.27	(3Z)-4,4-Dimethyl-3-(3-methyl-2-butenylidene)-2,7-octanedione	98419-10-4	25
17.56	Cycloisolongifolene, 8,9-dehydro-9-vinyl-	-	37
17.98	Retinol, acetate	127-47-9	34



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