

Table of results

**For the determination of the odour
concentration according to
DIN EN 13725:2022**

Date of sampling: 10. 02. 2026

Date of measurement: 11. 02. 2026

Client:

EKO ekoinženiring, d.o.o.
Koroška cesta 14
2390 Ravne na Koroške

Project responsible:

Jonas Boomers

Report No.

Status / Date:

P25-017-EM/2026
Rev. 00 of 12. 02. 2026

Order No. / Order Date:

E-Mail / 03.02. 2026

Results of olfactometric measurements

Date of report	2026-02-12	Client	EKO ekoingeniering, d.o.o.
Projectnumber	P26-017-EM/2026	Address	Koroška cesta 14, 2390 Ravne na Koroške
Version	Rev. 00	Contact	Niko Črešnik
Consultant	Jonas Boomers	Ordernumber	E-Mail
Responsible Person	Dr. Heike Hauschildt	Date of order	2026-02-03

Scope of reporting	33 pages incl.	Sampling Protocol (1), Evaluation form intensity and hedonic tone (3), Measurement protocols incl. Panel data (26) and Entry check samples (1)
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Date of measurement	2026-02-11	Olfactometry operator	Christian Peters
Number of samples	7	Measuring site	Olfaktometer-Labor im KITZ
Date of sampling	2026-02-10	Street address and number	Schauenburgerstraße 116
Arrival time laboratory	11.02.2026	Area Code /Country	24118 Kiel

Quality requirements for laboratory and panellist according to DIN EN 13725:2022

	Identification label	Concentration (ppm)	Expiry date	Bottle identification number
Certified reference material	T50 n-Butanol	50,1	Dez. 27	276005085087951
	Identification label	Date of calibration		
Olfactometer	M-O-006; E0.8888	10.02.2026		
Predilution system	-	-		

	Result n-Butanol	Panellist team value	Standard deviation	Accuracy	Precision
	GE _E /m ³	[ppb]	[σ]	[A _{rel}] ≤ 0,217	[r] ≤ 0,477
Reference odourant n-Butanol	at the beginning	1.013	49	0,137	0,397
	2. n-Butanol-measurement	829	60	0,139	0,403

					Criteria panellist standarddeviation	Criterea panellist mean
Panel		LIMS-Id.	Age	Gender	[10 ⁹] ≤2,3	[10 ¹⁰ g] 20 ≤ y _{lte} ≤ 80
	at the beginning	0468	23	female	1,561	42
		0015	59	female	1,690	45
		0312	55	female	2,056	35
		0507	70	male	2,033	49
	2. n-Butanol-measurement	0468	23	female	1,722	44
		0015	59	female	1,665	47
		0312	55	female	1,957	42
		0507	70	male	1,939	55

- ☒ Equipment, gases, laboratory and panellist meet the requirements of DIN EN 13725:2022
- ☒ Sampling and transport of the samples was done by the customer. Olfasense takes responsibility only after reception of the samples in the laboratory.

Results of olfactometric measurements

Name of sample	Sampling	Measurement	Odour concentration		
	10.02.2026	11.02.2026	lower limit**	Concentration*	upper limit**
	time	time	OU _E /m ³	OU _E /m ³	OU _E /m ³
n-Butanol	12:55	13:02	553	1.013	1.856
RV26V1	10:10	13:18	10	17	32
RV26V2	10:55	13:35	7	10	25
RV26V3	11:35	13:49	14	10	47
RV26T1	10:45	14:08	15	28	51
RV26T2	12:20	14:21	11	10	38
RV26T3	13:40	14:30	9	10	31
RV26T4	14:10	14:38	9	10	29
n-Butanol	12:55	14:50	452	829	1.518

* result including predilution

** Calculation of the Olfasense laboratory measurement uncertainty (sampling and measurement), determined in accordance with DIN EN ISO 20988 Annex 6, in accordance with VDI EE-3884 Sheet 1.1 to DIN EN 13725:2022

The actual measurement uncertainty may deviate due to sampling by the customer.

Samples could not be determined in accordance with DIN EN 13725:2022 due to their low concentration. We use the LoD-values instead.

Limit of detection (LoD) and limit of quantification (LoQ)

Sampling equipment	Ventilated Sampling hood	Non-Ventilated Sampling hood	CSD30/tubing	GSP pre-dilution	Sample Bag	Maximum
Limit of detection (LoD)	10	10	10	32	10	32
Limit of quantification (LoQ)	10	10	10	85	10	85

Notes

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Consultant:
Jonas Boomers

Responsible Person
Dr. Heike Hauschildt

EKO EKOKOINŽENIRING d.o.o. KOROŠKA CESTA 14 2390 RAVNE NA KOR.		WORK ORDER EMISSIONS		DATE 10.01.2026
CUSTOMER		EKO ekoinženiring d.o.o.		
PROVIDER		OLFASENSE GmbH		
SOURCE ID.				
SAMPLE ID.	MATRIX	ANALYTICAL PARAMETER	NOTE	
RV26V1	AIR FROM COMPOSTING FACILITY	ODOUR	10:10 - 10:40	
RV26V2			10:55 - 11:25	
RV26V3			11:35 - 12:05	
RV26T1			10:45 - 10:55	
RV26T2			12:20 - 12:30	
RV26T3			13:40 - 13:50	
RV26T4			14:10 - 14:20	
CUSTOMER: EKO d.o.o. (SI)		PROVIDER: 		

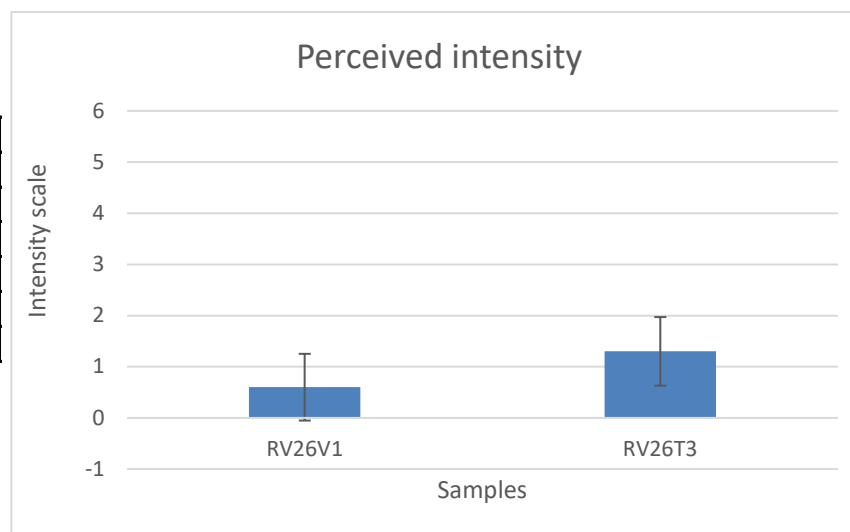
Evaluation sheet for intensity and hedonic tone

Appendix	B
Date	11.02.2026
Project number	P26-017-EM/2026
Panelists	5
Operator	Christian Peters
Evaluation	Intensity

	Panelist 1	Panelist 2	Panelist 3	Panelist 4	Panelist 5	Average	Standard deviation
Sample	0120	0507	0015	0312	0468		
RV26V1	1,5	1	0	0,5	0	0,6	0,7
RV26T3	1	2	1	2	0,5	1,3	0,7

Intensity scale

6	Extremely strong
5	Very strong
4	Strong
3	Distinct
2	Weak
1	Very weak
0	Not perceptible



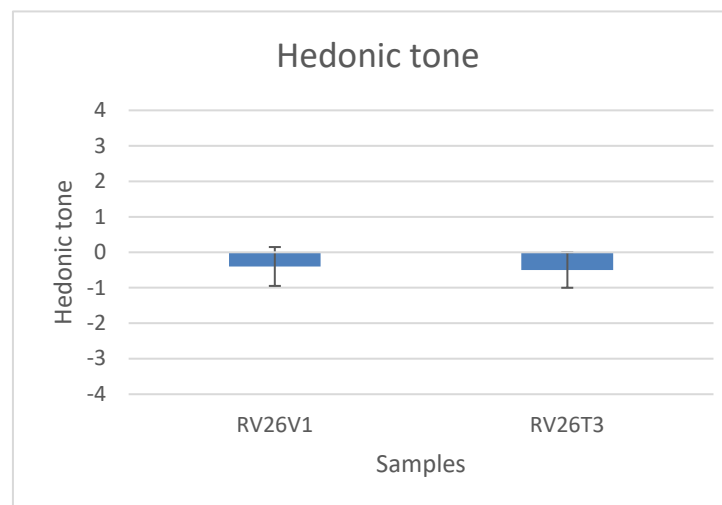
Evaluation sheet for intensity and hedonic tone

Appendix	B
Date	11.02.26
Project number	P26-017-EM/2026
Panelists	5
Operator	Christian Peters
Evaluation	Hedonics

	Panelist 1	Panelist 2	Panelist 3	Panelist 4	Panelist 5	Average	Standard deviation
Sample	0120	0507	0015	0312	0468		
RV26V1	-1	-1	0	0	0	-0,4	0,5
RV26T3	-0,5	-1	0	-1	0	-0,5	0,5

Hedonic tones

+4	Extremely pleasant
+3	Very pleasant
+2	Pleasant
+1	Slightly pleasant
0	Neither pleasant nor unpleasant
-1	Slightly unpleasant
-2	Unpleasant
-3	Very unpleasant
-4	Extremely unpleasant



Evaluation sheet characteristics

Appendix	B
Date	11.02.26
Project number	P26-017-EM/2026
Panelists	5
Operator	Christian Peters
Evaluation	characteristics

Sample	Notes
RV26V1	exhaust (1), metallic (1), organic (1))
RV26T3	exhaust (1), floral (1), chemical (2), garbage (1), organic (1)

Project report

client			laboratory		
Name	EKO ekoinženiring, d.o.o.		Project issued	Feb. 11, 2026	
Address			Reference	Grün	
Phone			Report generated by	jboomers	
Sample	Bag	8131632_24_SB10-088648	Dilution	1.0	Result
20260211_n-Butanol	Time of sampling	2026-02-11 12:55	Z _{ite,pan}	1013	1013 OU _E /m ³
	Analysis date	2026-02-11 13:02	Panel size	4 / 8	
Sample	Bag	8131632_24_SB10-088218	Dilution	1.0	Result
20260211_RV26V1	Time of sampling	2026-02-10 10:10	Z _{ite,pan}	17	17 OU _E /m ³
	Analysis date	2026-02-11 13:18	Panel size	4 / 8	
Sample	Bag	8131632_24_SB10-088220	Dilution	1.0	Result
20260211_RV26V2	Time of sampling	2026-02-10 10:55	Z _{ite,pan}	13	(13)* OU _E /m ³
	Analysis date	2026-02-11 13:35	Panel size	4 / 11	
Sample	Bag	8131632_24_SB10-088222	Dilution	1.0	Result
20260211_RV26V3	Time of sampling	2026-02-10 11:35	Z _{ite,pan}	26	(26)* OU _E /m ³
	Analysis date	2026-02-11 13:49	Panel size	4 / 7	
Sample	Bag	8131632_24_SB10-088204	Dilution	1.0	Result
20260211_RV26T1	Time of sampling	2026-02-10 10:45	Z _{ite,pan}	28	28 OU _E /m ³
	Analysis date	2026-02-11 14:08	Panel size	4 / 8	
Sample	Bag	8131632_24_SB10-088207	Dilution	1.0	Result
20260211_RV26T2	Time of sampling	2026-02-10 12:20	Z _{ite,pan}	21	(21)* OU _E /m ³
	Analysis date	2026-02-11 14:21	Panel size	4 / 7	
Sample	Bag	8131632_24_SB10-088208	Dilution	1.0	Result
20260211_RV26T3	Time of sampling	2026-02-10 13:40	Z _{ite,pan}	17	(17)* OU _E /m ³
	Analysis date	2026-02-11 14:30	Panel size	4 / 7	

Sample	Bag	8131632_24_SB10-088211	Dilution	1.0	Result
20260211_RV26T4	Time of	2026-02-10 14:10	Z _{ite,pan}	16	(16)* OU _E /m ³
	sampling		Panel size	4 / 6	
	Analysis	2026-02-11 14:38			
	date				

Sample	Bag	8131632_24_SB10-088648	Dilution	1.0	Result
20260211_n-Butanol	Time of	2026-02-11 12:55	Z _{ite,pan}	829	829 OU _E /m ³
	sampling		Panel size	4 / 8	
	Analysis	2026-02-11 14:50			
	date				

Results denoted with a * indicate non-compliance with the EN13725 regarding amount of individual ITEs, participating panel members etc.

Measurement report

Sample		Measurement	
Name	20260211_n-Butanol	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088648	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-11 12:55	Duration	13:02 - 13:13
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms
Reference gas		Measurement	
Substance (Concentration)	n-Butanol (50.10)	Measurement result	1012.76 OU _E /m ³ (1000)
Cylinder	202412_T50_n-butanol_501		30.1 dB _{od}
expires	2027-11-30	Z _{ite,pan}	1012.76 (1000)

Round 1 (discarded)			Round 2			Round 3		
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ	Panelist	ITE	ΔZ
0468	3777.00	—	0468	1788.70	1.77	0468	1788.70	1.77
0015	399.51	—	0015	823.02	-1.23	0015	399.51	-2.53
0312	1788.70	—	0312	823.02	-1.23	0312	1788.70	1.77
0507	823.02	—	0507	399.51	-2.53	0507	1788.70	1.77
Panelist	Blanks (Total)	Reference air						
0468	0 (5)	0						
0015	0 (5)	0						
0312	0 (5)	0						
0507	0 (5)	0						

20260211_n-Butanol
Round 1 (discarded)
2026-02-11 13:04, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
5355	—	—	—	—
0	—	—	—	—
2664	✓	—	—	—
0	—	—	—	—
1201	✓	—	✓	—
564	✓	—	✓	✓
283	✓	✓	✓	✓
136	—	✓	✓	—

20260211_n-Butanol
Round 3
2026-02-11 13:13, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
2664	—	—	—	—
0	—	—	—	—
1201	✓	—	✓	✓
0	—	—	—	—
564	✓	—	✓	✓
0	—	—	—	—
283	✓	✓	✓	✓
136	✓	✓	✓	✓

20260211_n-Butanol
Round 2
2026-02-11 13:09, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
5355	—	—	—	—
2664	—	—	—	—
0	—	—	—	—
1201	✓	—	—	—
0	—	—	—	—
564	✓	✓	✓	—
283	✓	✓	✓	✓
136	—	✓	—	✓

Measurement report

Sample		Measurement	
Name	20260211_RV26V1	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088218	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-10 10:10	Duration	13:18 - 13:26
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms

Measurement	
Measurement result	17.43 OU _E /m ³ (17)
	12.4 dB _{od}
Z _{ite,pan}	17.43 (17)

Round 1			Round 2			Panelist	Blanks (Total)	Reference air
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ			
0468	22.91	1.31	0468	22.91	1.31	0468	0 (4)	0
0015	22.91	1.31	0015	11.05	-1.58	0015	0 (4)	0
0312	22.91	1.31	0312	22.91	1.31	0312	0 (4)	0
0507	11.05	-1.58	0507	11.05	-1.58	0507	0 (4)	0

20260211_RV26V1

Round 1

2026-02-11 13:20, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
1201	—	—	—	—
564	—	—	—	—
0	—	—	—	—
283	—	—	—	—
0	—	—	—	—
136	—	—	—	—
71,4	—	—	—	—
32,8	—	—	—	—
16	✓	✓	✓	—
7,63	✓	✓	✓	✓
3,63	—	✓	✓	✓

20260211_RV26V1

Round 2

2026-02-11 13:26, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
136	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	—
16	✓	—	✓	—
7,63	✓	✓	✓	✓
3,63	✓	✓	✓	✓

Measurement report

Sample		Measurement	
Name	20260211_RV26V2	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088220	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-10 10:55	Duration	13:35 - 13:45
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms

Measurement	
Measurement result	(13.48)* OU _E /m ³ (13)
	11.3 dB _{od}
Z _{ite,pan}	13.48 (13)

Round 1			Round 2			Round 3		
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ	Panelist	ITE	ΔZ
0468	22.91	1.70	0468	11.05	-1.22	0468	22.91	1.70
0015	11.05	-1.22	0015	—	—	0015	11.05	-1.22
0312	22.91	1.70	0312	11.05	-1.22	0312	11.05	-1.22
0507	11.05	-1.22	0507	11.05	-1.22	0507	11.05	-1.22
Panelist	Blanks (Total)	Reference air						
0468	0 (6)	0						
0015	0 (6)	0						
0312	0 (6)	0						
0507	0 (6)	0						

20260211_RV26V2

Round 1

2026-02-11 13:37, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
136	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	✓
0	—	—	—	—
16	✓	—	✓	—
7,63	✓	✓	✓	✓
3,63	—	✓	—	✓

20260211_RV26V2

Round 3

2026-02-11 13:45, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	—
0	—	—	—	—
16	✓	—	—	—
7,63	✓	✓	✓	✓
3,63	✓	✓	✓	✓

20260211_RV26V2

Round 2

2026-02-11 13:40, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	—
0	—	—	—	—
16	—	—	—	—
7,63	✓	—	✓	✓
3,63	✓	✓	✓	✓

Measurement report

Sample		Measurement	
Name	20260211_RV26V3	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088222	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-10 11:35	Duration	13:49 - 13:54
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms

Measurement	
Measurement result	(25.56)* OU _E /m ³ (26)
	14.1 dB _{od}
Z _{ite,pan}	25.56 (26)

Round 1			Round 2			Panelist	Blanks (Total)	Reference air
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ			
0468	48.39	1.89	0468	48.39	1.89	0468	0 (4)	0
0015	22.91	-1.12	0015	11.05	-2.31	0015	0 (4)	0
0312	22.91	-1.12	0312	22.91	-1.12	0312	0 (4)	0
0507	—	—	0507	22.91	-1.12	0507	0 (4)	0

20260211_RV26V3
Round 1
2026-02-11 13:51, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
136	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	✓	—	—	—
16	✓	✓	✓	✓
7,63	✓	✓	✓	—
3,63	—	✓	—	✓

20260211_RV26V3
Round 2
2026-02-11 13:54, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	✓	—	—	—
0	—	—	—	—
16	✓	—	✓	✓
7,63	✓	✓	✓	✓
3,63	—	✓	✓	—

Measurement report

Sample		Measurement	
Name	20260211_RV26T1	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088204	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-10 10:45	Duration	14:08 - 14:16
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms

Measurement	
Measurement result	27.75 OU _E /m ³ (28)
	14.4 dB _{od}
Z _{ite,pan}	27.75 (28)

Round 1			Round 2			Panelist	Blanks (Total)	Reference air
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ			
0468	48.39	1.74	0468	48.39	1.74	0468	0 (4)	0
0015	48.39	1.74	0015	48.39	1.74	0015	0 (4)	0
0312	22.91	-1.21	0312	22.91	-1.21	0312	0 (4)	0
0507	11.05	-2.51	0507	11.05	-2.51	0507	0 (4)	1

20260211_RV26T1

Round 1

2026-02-11 14:10, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
564	—	—	—	—
0	—	—	—	—
283	—	—	—	—
0	—	—	—	—
136	—	—	—	—
71,4	—	—	—	—
32,8	✓	✓	—	—
16	✓	✓	✓	—
7,63	✓	✓	✓	✓
3,63	—	—	—	✓

20260211_RV26T1

Round 2

2026-02-11 14:16, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
136	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	✓	✓	—	—
16	✓	✓	✓	—
7,63	✓	✓	✓	✓ x
3,63	—	✓	—	✓

Measurement report

Sample		Measurement	
Name	20260211_RV26T2	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088207	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-10 12:20	Duration	14:21 - 14:27
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms

Measurement	
Measurement result	(20.70)* OU _E /m ³ (21)
	13.2 dB _{od}
Z _{ite,pan}	20.70 (21)

Round 1			Round 2			Panelist	Blanks (Total)	Reference air
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ			
0468	48.39	2.34	0468	22.91	1.11	0468	0 (4)	0
0015	22.91	1.11	0015	11.05	-1.87	0015	0 (4)	0
0312	22.91	1.11	0312	22.91	1.11	0312	0 (4)	0
0507	11.05	-1.87	0507	—	—	0507	0 (4)	0

20260211_RV26T2

Round 1

2026-02-11 14:23, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
136	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	✓	—	—	—
0	—	—	—	—
16	✓	✓	✓	—
7,63	✓	✓	✓	✓
3,63	—	✓	✓	✓

20260211_RV26T2

Round 2

2026-02-11 14:27, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	—
0	—	—	—	—
16	✓	—	✓	—
7,63	✓	✓	✓	—
3,63	✓	✓	✓	✓

Measurement report

Sample		Measurement	
Name	20260211_RV26T3	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088208	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-10 13:40	Duration	14:30 - 14:36
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms

Measurement	
Measurement result	(16.76)* OU _E /m ³ (17)
	12.2 dB _{od}
Z _{ite,pan}	16.76 (17)

Round 1			Round 2			Panelist	Blanks (Total)	Reference air
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ			
0468	11.05	-1.52	0468	11.05	-1.52	0468	0 (4)	0
0015	22.91	1.37	0015	22.91	1.37	0015	0 (4)	0
0312	22.91	1.37	0312	22.91	1.37	0312	0 (4)	0
0507	—	—	0507	11.05	-1.52	0507	0 (4)	0

20260211_RV26T3
Round 1
2026-02-11 14:32, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	—
0	—	—	—	—
16	—	✓	✓	—
7,63	✓	✓	✓	—
3,63	✓	✓	✓	✓

20260211_RV26T3
Round 2
2026-02-11 14:36, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
136	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	—
0	—	—	—	—
16	—	✓	✓	—
7,63	✓	✓	✓	✓
3,63	✓	—	—	✓

Measurement report

Sample		Measurement	
Name	20260211_RV26T4	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088211	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-10 14:10	Duration	14:38 - 14:47
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms

Measurement	
Measurement result	(15.91)* OU _E /m ³ (16)
	12.0 dB _{od}
Z _{ite,pan}	15.91 (16)

Round 1			Round 2			Panelist	Blanks (Total)	Reference air
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ			
0468	22.91	1.44	0468	—	—	0468	0 (4)	0
0015	22.91	1.44	0015	11.05	-1.44	0015	0 (4)	0
0312	11.05	-1.44	0312	22.91	1.44	0312	0 (4)	0
0507	—	—	0507	11.05	-1.44	0507	0 (4)	0

20260211_RV26T4

Round 1

2026-02-11 14:40, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
136	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	—
0	—	—	—	—
16	✓	✓	—	✓
7,63	✓	✓	✓	—
3,63	✓	✓	✓	✓

20260211_RV26T4

Round 2

2026-02-11 14:47, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
71,4	—	—	—	—
0	—	—	—	—
32,8	—	—	—	—
0	—	—	—	—
16	—	—	✓	—
7,63	—	✓	✓	✓
3,63	✓	✓	✓	✓

Measurement report

Sample		Measurement	
Name	20260211_n-Butanol	Location	Olfasense Labor 1
Bag	8131632_24_SB10-088648	Temperature/Humidity/CO2	21.3 °C / — / —
Project	G_2026-P26-017-EM EKO	Date	Feb. 11, 2026
Sampling	2026-02-11 12:55	Duration	14:50 - 14:57
Dilution	1.0	Olfactometer	TO 9 evolution 8888
		Calibration/expires	Feb. 28, 2027
		Method	Yes/No
		Presentation time	2700 ms
Reference gas		Measurement	
Substance (Concentration)	n-Butanol (50.10)	Measurement result	828.55 OU _E /m ³ (830)
Cylinder	202412_T50_n-butanol_501		29.2 dB _{od}
expires	2027-11-30	Z _{ite,pan}	828.55 (830)

Round 1 (discarded)			Round 2			Round 3		
Panelist	ITE	ΔZ	Panelist	ITE	ΔZ	Panelist	ITE	ΔZ
0468	1788.70	—	0468	823.02	-1.01	0468	399.51	-2.07
0015	1788.70	—	0015	1788.70	2.16	0015	823.02	-1.01
0312	1788.70	—	0312	823.02	-1.01	0312	823.02	-1.01
0507	1788.70	—	0507	823.02	-1.01	0507	823.02	-1.01
Panelist	Blanks (Total)	Reference air						
0468	0 (5)	0						
0015	0 (5)	0						
0312	0 (5)	0						
0507	0 (5)	0						

20260211_n-Butanol
Round 1 (discarded)
2026-02-11 14:52, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
5355	—	—	—	—
2664	—	—	—	—
0	—	—	—	—
1201	✓	✓	✓	✓
0	—	—	—	—
564	✓	✓	✓	✓

20260211_n-Butanol
Round 3
2026-02-11 14:57, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
2664	—	—	—	—
0	—	—	—	—
1201	—	—	—	—
0	—	—	—	—
564	—	✓	✓	✓
0	—	—	—	—
283	✓	✓	✓	✓
136	✓	—	—	—

20260211_n-Butanol
Round 2
2026-02-11 14:54, Operator CPeters

Step	0468	0015	0312	0507
0	—	—	—	—
0	—	—	—	—
5355	—	—	—	—
2664	—	—	—	—
0	—	—	—	—
1201	—	✓	—	—
0	—	—	—	—
564	✓	✓	✓	✓
283	✓	✓	✓	✓

Reference gas history (n-Butanol)

Panelist			0507		
Date of birth			July 27, 1955		
Gender			unknown		
Criteria			12 value(s), up until 2026-02-11		
20.0 ≤ 10 ^{Y_{ite}} ≤ 80.0					
10 ^σ ≤ 2.3					
Date	ITE	PPM (Cylinder)	ppb	10 ^σ	10 ^{Y_{ite}}
2026-02-11	823.02	50.10	60.87	1.94	55.35
2026-02-11	823.02	50.10	60.87	1.99	51.87
2026-02-11	1788.70	50.10	28.01	2.03	48.62
2026-02-11	399.51	50.10	125.40	2.03	48.61
2026-01-09	852.77	50.10	58.75	1.93	42.90
2026-01-09	419.98	50.10	119.29		
2026-01-09	852.77	50.10	58.75		
2026-01-09	3741.63	50.10	13.39		
2025-12-19	1791.21	50.10	27.97		
2025-12-19	852.77	50.10	58.75		
2025-12-19	419.98	50.10	119.29		
2025-12-19	852.77	50.10	58.75		

Reference gas history (n-Butanol)

Panelist			0312		
Date of birth			Nov. 15, 1970		
Gender			female		
Criteria			12 value(s), up until 2026-02-11		
20.0 ≤ 10 ^{Y_{ite}} ≤ 80.0					
10 ^σ ≤ 2.3					
Date	ITE	PPM (Cylinder)	ppb	10 ^σ	10 ^{Y_{ite}}
2026-02-11	823.02	50.10	60.87	1.96	41.99
2026-02-11	823.02	50.10	60.87	2.08	37.01
2026-02-11	1788.70	50.10	28.01	2.06	34.69
2026-02-11	823.02	50.10	60.87	2.06	34.69
2026-01-15	2520.42	50.10	19.88	2.01	32.51
2026-01-15	1250.33	50.10	40.07	2.02	35.58
2026-01-15	1250.33	50.10	40.07	2.05	36.74
2026-01-15	419.98	50.10	119.29	2.09	38.34
2025-12-10	1791.21	50.10	27.97	2.04	37.84
2025-12-10	1791.21	50.10	27.97	2.03	38.56
2025-12-10	3741.63	50.10	13.39	2.02	39.31
2025-12-10	419.98	50.10	119.29	1.87	44.95

Reference gas history (n-Butanol)

Panelist			0468		
Date of birth			June 20, 2002		
Gender			female		
Criteria			12 value(s), up until 2026-02-11		
20.0 ≤ 10 ^{Y_{ite}} ≤ 80.0					
10 ^σ ≤ 2.3					
Date	ITE	PPM (Cylinder)	ppb	10 ^σ	10 ^{Y_{ite}}
2026-02-11	399.51	50.10	125.40	1.72	44.32
2026-02-11	823.02	50.10	60.87	1.56	41.62
2026-02-11	1788.70	50.10	28.01	1.56	41.51
2026-02-11	1788.70	50.10	28.01	1.56	41.52
2026-01-15	1250.33	50.10	40.07	1.56	41.53
2026-01-15	1250.33	50.10	40.07	1.72	45.62
2026-01-15	1250.33	50.10	40.07	1.73	47.11
2026-01-15	1791.21	50.10	27.97	1.73	48.65
2025-11-13	1250.33	50.10	40.07	1.89	45.96
2025-11-13	612.20	50.10	81.84	1.92	44.62
2025-11-13	2520.42	50.10	19.88	1.88	43.42
2025-11-13	612.20	50.10	81.84	1.91	50.56

Reference gas history (n-Butanol)

Panelist			0015		
Date of birth			Sept. 16, 1966		
Gender			female		
Criteria			12 value(s), up until 2026-02-11		
20.0 ≤ 10 ^{Y_{ite}} ≤ 80.0					
10 ^σ ≤ 2.3					
Date	ITE	PPM (Cylinder)	ppb	10 ^σ	10 ^{Y_{ite}}
2026-02-11	823.02	50.10	60.87	1.66	47.49
2026-02-11	1788.70	50.10	28.01	1.69	44.51
2026-02-11	399.51	50.10	125.40	1.69	44.50
2026-02-11	823.02	50.10	60.87	1.53	41.78
2026-01-15	1250.33	50.10	40.07	1.52	41.65
2026-01-15	1250.33	50.10	40.07	1.55	40.42
2026-01-15	1250.33	50.10	40.07	1.57	39.23
2026-01-15	852.77	50.10	58.75	1.58	38.07
2026-01-07	1791.21	50.10	27.97	1.58	38.07
2026-01-07	2520.42	50.10	19.88	1.58	38.07
2026-01-07	852.77	50.10	58.75	1.53	41.67
2026-01-07	612.20	50.10	81.84	1.53	41.67

Laboratory reference gas history (n-Butanol)

Criteria

$A \leq 0.217$

$r \leq 0.477$

30 value(s), up until 2026-02-11

Date	ITE	n-Butanol (ppm)	$\mu\text{mol/mol}$	ppb	σ	y_{ite}	A_{od}	r	d_w
2026-02-11	829	50.10	0.0605	60.47	0.1398	-1.3830	0.0671	0.4044	0.0149
2026-02-11	826	50.10	0.0607	60.68	0.1392	-1.3834	0.0664	0.4027	0.0145
2026-02-11	1013	50.10	0.0495	49.47	0.1371	-1.3855	0.0636	0.3967	0.0124
2026-02-06	1189	50.10	0.0422	42.15	0.1371	-1.3910	0.0581	0.3966	0.0069
2026-02-05	1128	50.10	0.0444	44.43	0.1379	-1.3942	0.0552	0.3988	0.0037
2026-02-05	1128	50.10	0.0444	44.40	0.1392	-1.3995	0.0536	0.4028	-0.0016
2026-02-02	855	50.10	0.0586	58.58	0.1427	-1.4071	0.0625	0.4129	-0.0092
2026-02-02	1790	50.10	0.0280	28.00	0.1391	-1.4115	0.0656	0.4025	-0.0136
2026-01-22	1682	50.10	0.0298	29.78	0.1368	-1.4050	0.0582	0.3958	-0.0071
2026-01-22	784	50.10	0.0639	63.92	0.1351	-1.4019	0.0545	0.3906	-0.0040
2026-01-22	600	50.10	0.0835	83.47	0.1315	-1.4046	0.0558	0.3805	-0.0067
2026-01-22	1790	50.10	0.0280	28.00	0.1168	-1.4138	0.0595	0.3378	-0.0159
2026-01-22	1904	50.10	0.0263	26.32	0.1145	-1.4066	0.0515	0.3313	-0.0087
2026-01-22	863	50.10	0.0581	58.06	0.1190	-1.3922	0.0501	0.3441	0.0057
2026-01-21	1772	50.10	0.0283	28.27	0.1153	-1.3973	0.0436	0.3335	0.0006
2026-01-21	1356	50.10	0.0369	36.94	0.1184	-1.3849	0.0572	0.3426	0.0130
2026-01-15	1248	50.10	0.0401	40.13	0.1184	-1.3848	0.0573	0.3424	0.0131
2026-01-15	1037	50.10	0.0483	48.31	0.1187	-1.3860	0.0563	0.3433	0.0119
2026-01-07	1946	50.10	0.0257	25.74	0.1182	-1.3898	0.0523	0.3419	0.0081
2026-01-07	791	50.10	0.0634	63.37	0.1122	-1.3819	0.0579	0.3244	0.0160
2025-12-11	1126	50.10	0.0445	44.48	0.1085	-1.3846	0.0538	0.3138	0.0133
2025-12-11	1614	50.10	0.0310	31.04	0.1083	-1.3859	0.0524	0.3133	0.0120
2025-12-11	1603	50.10	0.0312	31.25	0.1062	-1.3833	0.0542	0.3072	0.0146
2025-12-11	1236	50.10	0.0405	40.54	0.1056	-1.3755	0.0619	0.3054	0.0224
2025-12-10	1488	50.10	0.0337	33.67	0.1061	-1.3769	0.0607	0.3069	0.0210
2025-12-10	1030	50.10	0.0486	48.63	0.1094	-1.3794	0.0593	0.3163	0.0185
2025-12-03	1126	50.10	0.0445	44.48	0.1116	-1.3771	0.0625	0.3228	0.0208
2025-12-03	940	50.10	0.0533	53.32	0.1130	-1.3746	0.0655	0.3267	0.0233
2025-12-02	1631	50.10	0.0307	30.71	0.1122	-1.3806	0.0592	0.3244	0.0173

Date	ITE	n-Butanol (ppm)	$\mu\text{mol/mol}$	ppb	σ	y_{ite}	A_{od}	r	d_w
2025-12-02	1790	50.10	0.0280	27.99	0.1094	-1.3757	0.0630	0.3163	0.0222

