



DANAK
TEST Reg nr. 361

Ordrenr: 941832
Sagsnavn: Esum vv

ALS Denmark A/S
Bakkegårdsvej 406 A
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ANALYSERAPPORT

Esum Vandværk
c/o Vandværkskontoret, Tulstrupvej 4
3400 Hillerød
Att.: Claus Mehlsen

Udskrevet: 04-09-2025
Version: 1
Modtaget: 22-08-2025
Analyseperiode: 22-08-2025 -
04-09-2025
Ordrenr.: 941832

Sagsnavn: Esum vv
Lokalitet: Esum Vandværk
Prøvested: DGU 187.1517-1, 3230 Græsted
Udtaget: 22.08.2025 kl. 09:59
Prøvetype: Råvand - Bek. 221 af 25/2/2025, Gruppe B, Boringskontrol +
Prøvetager: LAB/SKN
Kunde: Esum Vandværk, c/o Vandværkskontoret, Tulstrupvej 4, 3400 Hillerød, Att. Claus Mehlsen

Parameter	Resultat	Enhed	LD	LQ	Metode	Urel (%)
Partikler i prøve efter konservering	#	Nej	-	-	-	-
Feltmålinger:						
Prøvetagning, Boring	+	-			DS/ISO 5667-11:2009	
Gennemskylningsstid	5	min			Målt i felten	
pH ved prøvetagning	7.7	pH	2		DS/EN ISO 10523:2012	
Temperatur ved prøvetagning	9.5	°C	0		-	
Ledningsevne v. ptagning	52	mS/m	1.5		DS/EN 27888:2003	15
Iltindhold v. ptagning	1.6	mg/l	0.1		DS/EN ISO 5814:2012	15
Laboratoriets målinger:						
Mangan, Mn	0.13	mg/l	0.002	0.006	DS/EN ISO 11885:2009	20
Calcium, Ca ⁺⁺	90	mg/l	0.5	1.5	DS/EN ISO 11885:2009	15
Magnesium, Mg ⁺⁺	13	mg/l	0.3	0.9	DS/EN ISO 11885:2009	15
Kalium, K ⁺	2.4	mg/l	0.05	0.15	DS/EN ISO 11885:2009	15
Natrium, Na ⁺	18	mg/l	0.3	0.9	DS/EN ISO 11885:2009	15
Jern, Fe	2.9	mg/l	0.01	0.03	DS/EN ISO 11885:2009	20
Ammonium+ammoniak, NH ₄ ⁺	0.69	mg/l	0.004	0.012	DS/ISO 15923-1:2013+DS224:1975Mod	15
Nitrit, NO ₂ ⁻	<0.0010	mg/l	0.001	0.003	DS/ISO 15923-1:2013	15
Nitrat, NO ₃ ⁻	<0.10	mg/l	0.1	0.3	DS/ISO 15923-1:2013 + beregning	15
Total phosphor, P	0.29	mg/l	0.003	0.009	DS/EN ISO 6878 Del 7:2004 + DS/EN ISO 15681-2:2018	15
Chlorid, Cl ⁻	26	mg/l	0.5	1.5	DS/ISO 15923-1:2013	15
Fluorid, F ⁻	0.26	mg/l	0.03	0.09	DS 218:1975,MOD	15
Sulfat, SO ₄ ⁻⁻	13	mg/l	0.5	1.5	DS/ISO 15923-1:2013	15
Hydrogencarbonat, HCO ₃ ⁻	300	mg/l	3	9	DS/EN ISO 9963-1:1996	15
Aggressiv kuldioxid, CO ₂	<5	mg/l	2	6	DS 236:1977	15
Methan, CH ₄	0.37	mg/l	0.01	0.03	AK129 - HS GC/FID	20
NVOC	2.6	mg/l	0.1	0.3	DS/EN 1484:1997+SM 5310B:2014	15
Hydrogensulfid, H ₂ S	0.011	mg/l	0.010	0.03	DS 278:1976, Auto, Mod + beregning	15
Arsen, As	0.39	µg/l	0.03	0.09	DS/EN ISO 17294-2:2023	20
Bor, B	43	µg/l	10	30	DS/EN ISO 11885:2009	20
Barium, Ba	89	µg/l	0.03	0.09	DS/EN ISO 17294-2:2023	20
Kobolt, Co	<0.030	µg/l	0.030	0.09	DS/EN ISO 17294-2:2023	20
Nikkel, Ni	2.5	µg/l	0.03	0.09	DS/EN ISO 17294-2:2023	20
2,6-dichlorphenol	<0.010	µg/l	0.010	0.03	AK158 - GC/MS	30
1,2,4-triazol	<0.010	µg/l	0.010	0.03	AK207 - LC/MS/MS	30
Pesticider, Drikkevand grundpakke LC/MS					- - LC/MS/MS	
Pesticider, Drikkevand grundpakke GC/MS					- - GC/MS	
2,6-DCPP (2-(2,6-dichlorphenoxypropionsyre)), 2,6-dichlorprop	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
4-CPP, (4-Chlorprop)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Aminomethylphosphonsyre, AMPA	<0.010	µg/l	0.010	0.03	AK144 - LC/MS/MS	30
Atrazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Bentazon	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30

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Laboratoriet er akkrediteret af DANAK. Analyseresultaterne gælder kun for den analyserede prøve. Analyserapporten må kun gengives i sin helhed, medmindre skriftlig godkendelse foreligger.

Tegnforklaring, Resultat:
i.p.: Ikke påvist, -: analysen er ikke udført
i rapporten betyder ikke akkrediteret



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Prøvenr.:	175561/25					
Parameter	Resultat	Enhed	LD	LQ	Metode	Urel (%)
2,6-Dichlorbenzamid (BAM)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
ETU (Ethylenthiourea)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
2,6-dichlorbenzoesyre	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Desphenyl-chloridazon, DPC	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Imazalil	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Methyl-desphenyl-chloridazon	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
4-nitrophenol	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
2,4-dichlorphenol	<0.010	µg/l	0.010	0.03	AK158 - GC/MS	30
Desethylatrazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Desethyl-desisopropylatrazin (DEIA)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Desethyl-hydroxy-atrazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Desethylterbutylazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Desisopropylatrazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Desisopropyl-hydroxy-atrazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Dichlobenil	<0.010	µg/l	0.010	0.03	AK78 - GC/MS	30
Dichlorprop(2,4-DP)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Didealkyl-hydroxy-atrazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Glyphosat	<0.010	µg/l	0.010	0.03	AK144 - LC/MS/MS	30
Hexazinon	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Hydroxyatrazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Hydroxysimazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
MCPA	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Mechlorprop(MCPP)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Metamitron-desamino	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
PPU (IN 70941), (Nedbr. af Rimsulfuron)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Simazin	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
TFMP	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Pentachlorbenzen	<0.010	µg/l	0.010	0.03	AK158 - GC/MS/SIM	30
N,N-Dimethylsulfamid (DMS)	<0.010	µg/l	0.010	0.03	AK207 - LC/MS/MS	30
Chlorothalonilamid-sulfonsyre (R417888)	<0.0050	µg/l	0.005	0.015	AK78 - LC/MS/MS	30
Pesticider, DRV BEK 221:2025		-			- - LC/MS/MS	
Alachlor ESA	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Dimethachlor ESA	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Dimethachlor OA (CGA 50266)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Metazachlor ESA	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Metazachlor OA	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Propachlor ESA	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
t-Sulfinyleddikesyre (Acetochlor SAA)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
CGA 369873 (Dimethachlor metab.)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
[(2,6-Dimethylphenyl)(2-sulfoacetyl)amino]eddikesyre	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Metaldehyd	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
Monuron	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
4-Bis-amido-3,5,6-trichlorobenzenesulfonat (R471811) (Nedbr. af Chlorothalonil)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
6-(tert-Butylamino)-1,3,5-triazine-2,4-diol (CGA324007, LM5, nedbr. af Terbutylazin)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
4-(tert-Butylamino)-6-hydroxy-1-methyl-1,3,5-triazin-2(1H)-one (SYN545666, LM6, nedbr. af Terbutylazin)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30
6-Hydroxy-7,7-dimethyl-6,8-dihydroimidazo[1,2-a][1,3,5]triazine-2,4-dion (LM3)	<0.010	µg/l	0.010	0.03	AK78 - LC/MS/MS	30

Kommentar

Grundet indhold af HCO₃ > 100 mg/l er detektionsgrænsen for Aggressiv CO₂ hævet fra 2 til 5 mg/l.

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ANALYSERAPPORT

Olha Vasylieva

Olha Vasylieva

Kopimodtagere:

Gribskov Kommune
Vedr. vandforsyninger, Rådhusvej 3, 3200 Helsingør

side 3 af 3

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