



DANAK
TEST Reg nr. 361

Ordrenr: 796159
Sagsnavn: Ølsted Strands vv
Udtaget: 04.07.2023
Prøvested: Kildehøjvej 46, 3310 Ølsted

ALS Denmark A/S
Bakkegårdsvej 406 A
DK-3050 Humlebæk
Telefon: +45 4925 0770
www.alsglobal.dk

ANALYSERAPPORT

Ølsted Strand Vandværk
Frederikssundsvej 167
3310 Ølsted
Att.: Henriette Høeg, PersonRef. Henriette Høeg

Udskrevet: 20-10-2023
Version: 1
Modtaget: 28-09-2023
Analyseperiode: 28-09-2023 -
20-10-2023
Ordrenr.: 796159

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Lokalitet: Ølsted Strand Vandværk
Prøvested: Kildehøjvej 46, 3310 Ølsted
Udtaget: 04.07.2023
Prøvetype: Drikkevand - Bek. 507:2023, Gruppe B Hovedbestanddele
Prøvetager: LAB/JNF
Kunde: Ølsted Strand Vandværk, Frederikssundsvej 167, 3310 Ølsted, Att. Henriette Høeg, PersonRef. Henriette Høeg

Prøvenr.:	157422/23			
Parameter	Resultat	Enhed	Metode	Grænseværdi Forbruger taphane jvf BEK 1023:2023
Partikler i prøve efter konservering	#	Nej	-	-
Prøvetagning, Taphane (m. flush)		+	- DS/EN ISO 19458:2006, MST Manual for DRV version 5, 2021, DS/ISO 5667-5:2006	
Chlorit	*1	<10	µg/l	CSN EN ISO 10304-4 50 µg/l
Intestinale Enterokokker		<1	cfu/100 ml	DS/EN ISO 7899-2:2000 <1
Mangan, Mn		<0.0020	mg/l	DS/EN ISO 11885:2009 0.05 mg/l
Natrium, Na+		16	mg/l	DS/EN ISO 11885:2009 175 mg/l
Ammonium+ammoniak, NH4+		<0.0040	mg/l	DS/ISO 15923-1:2013+DS224:1975Mod 0.05 mg/l
Nitrit, NO2-		<0.0010	mg/l	DS/ISO 15923-1:2013 0.1 mg/l
Nitrat, NO3-		1.8	mg/l	DS/ISO 15923-1:2013 + beregning 50 mg/l
Chlorid, Cl-		26	mg/l	DS/ISO 15923-1:2013 250 mg/l
Fluorid, F-		0.46	mg/l	DS 218:1975,MOD 1.5 mg/l
Sulfat, SO4--		37	mg/l	DS/ISO 15923-1:2013 250 mg/l
NVOC		1.8	mg/l	DS/EN 1484:1997+SM 5310B:2014 4 mg/l
Chlorat	*1	<10	µg/l	CSN EN ISO 10304-4 50 µg/l
Bromat	*1	<5.0	µg/l	CSN EN ISO 15061 10 µg/l
Cyanid CN, total		<1.0	µg/l	DS/EN ISO 14403-2:2012 50 µg/l
Aluminium, Al		<0.50	µg/l	DS/EN ISO 17294-2:2016 200 µg/l
Antimon, Sb		<0.20	µg/l	DS/EN ISO 17294-2:2016 5 µg/l
Arsen, As		0.17	µg/l	DS/EN ISO 17294-2:2016 5 µg/l
Bly, Pb		0.57	µg/l	DS/EN ISO 17294-2:2016 5 µg/l
Bor, B		62	µg/l	DS/EN ISO 11885:2009 1000 µg/l
Cadmium, Cd		0.0068	µg/l	DS/EN ISO 17294-2:2016 3 µg/l
Chrom, Cr		0.057	µg/l	DS/EN ISO 17294-2:2016 25 µg/l
Kobolt, Co		0.013	µg/l	DS/EN ISO 17294-2:2016 5 µg/l
Kobber, Cu		14	µg/l	DS/EN ISO 17294-2:2016 2000 µg/l
Kviksølv, Hg		<0.0010	µg/l	DS/EN ISO 17852:2008 1 µg/l
Nikkel, Ni		0.40	µg/l	DS/EN ISO 17294-2:2016 20 µg/l
Selen, Se		<0.050	µg/l	DS/EN ISO 17294-2:2016 10 µg/l
Zink, Zn		21	µg/l	DS/EN ISO 17294-2:2016 3000 µg/l
HS drikkevand				DS/EN ISO 10301:2000
HS chlorerede DRV TILLÆG				DS/EN ISO 10301:2000
PAH'er vandforsyning, 6 komp.				DIN 38407-F39
Benzen		<0.020	µg/l	DS/EN ISO 10301:2000 1 µg/l
Fluoranthen	*3	<0.0010	µg/l	DIN 38407-F39 0.1 µg/l
Benzo(b)fluoranthen	*3	<0.0010	µg/l	DIN 38407-F39
Benz(k)fluoranthen	*3	<0.0010	µg/l	DIN 38407-F39
Benz(a)pyren	*3	<0.0010	µg/l	DIN 38407-F39 0.010 µg/l
Indeno(1,2,3-cd)pyren	*3	<0.0010	µg/l	DIN 38407-F39
Benz(ghi)perylen	*3	<0.0010	µg/l	DIN 38407-F39
PAH, sum (4 komp. jf. bek. 1023, 2023)	*3	<0.10	µg/l	DIN 38407-F39 0.1 µg/l

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



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PAH, sum (6 komp. jf. bek. 529, 2023) *3	<0.10	µg/l	DIN 38407-F39		
HS chlor. nedbryd.		-	DS/EN ISO 10301:2000		
Trichlormethan (Chloroform)	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
1,1,1-trichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
1,1,2-trichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
Trichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
Tetrachlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
1,1,2,2-tetrachlorethan	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
1,1,1,2-tetrachlorethan	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
Vinylchlorid	<0.020	µg/l	DS/EN ISO 10301:2000	0.5 µg/l	
1,1-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
trans-1,2-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
cis-1,2-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
1,2-dichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000	1.0 µg/l	
Dichlormethan	<0.10	µg/l	DS/EN ISO 10301:2000	1 µg/l	
Epichlorhydrin *1	<0.10	µg/l	Underleverandør - GC/MS	0.1 µg/l	
2,6-dichlorphenol	<0.010	µg/l	AK158 - GC/MS	0.1 µg/l	
Pentachlorphenol	<0.010	µg/l	AK158 - GC/MS	0.01 µg/l	
1,2,4-triazol	<0.010	µg/l	AK207 - LC/MS/MS	0.1 µg/l	
Acrylamid *1	<0.050	µg/l	Underleverandør - LC/MS/MS	0.1 µg/l	Anvendelse af kemikalier med indhold heraf bør undgås til vandbehandling
Pesticider, Kartoffelavl		-	-- GC/LC/MS		
Pesticider, Drikkevand grundpakke LC/MS		-	-- LC/MS/MS		
Pesticider, Drikkevand grundpakke GC/MS		-	-- GC/MS		
Pesticider, vand 4 stoffer		-	-- GC/MS		
2,6-DCPP (2-(2,6-dichlorphenoxypropionsyre)), 2,6-dichlorprop	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
4-CPP, (4-Chlorprop)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Aminomethylphosphorsyre, AMPA	<0.010	µg/l	AK144 - LC/MS/MS	0.1 µg/l	
Atrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Bentazon	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
2,6-Dichlorbenzamid (BAM)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
ETU (Ethylthiourea)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Heptachlor	<0.010	µg/l	AK158 - GC/MS	0.03 µg/l	
Aldrin	<0.010	µg/l	AK158 - GC/MS	0.03 µg/l	
Heptachlorepoxid	<0.010	µg/l	AK158 - GC/MS	0.03 µg/l	
Dieldrin	<0.010	µg/l	AK158 - GC/MS	0.03 µg/l	
2,6-dichlorbenzoesyre	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Desphenyl-chloridazon, DPC	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Imazalil	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Methyl-desphenyl-chloridazon	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metalaxyl	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
CGA108906 (Nedbr. af Metalaxyl)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
CGA62826 (Nedbr. af Metalaxyl)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
4-nitrophenol	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
2,4-dichlorphenol	<0.010	µg/l	AK158 - GC/MS	0.1 µg/l	
Desethylatrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Desethyl-desisopropylatrazin (DEIA)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Desethyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Desethylterbutylazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Desisopropylatrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Desisopropyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Dichlobenil	<0.010	µg/l	AK78 - GC/MS	0.1 µg/l	
Dichlorprop(2,4-DP)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Didealkyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Pesticider, Frugtavl (Diuron)		-	AK78 - LC/MS/MS		
Diuron	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Glyphosat	<0.010	µg/l	AK144 - LC/MS/MS	0.1 µg/l	

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Hexazinon	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Hydroxyatrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Hydroxysimazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
MCPA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Mechlorprop(MCPP)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metamitron-desamino	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metribuzin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metribuzin-desamino	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metribuzin-desamino-diketo	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metribuzin-diketo	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
PPU (IN 70941), (Nedbr. af Rimsulfuron)	<0.010	µg/l	AK78 - LC/MS/MS	
Simazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
TFMP	<0.010	µg/l	AK78 - LC/MS/MS	
Pentachlorbenzen	<0.010	µg/l	AK158 - GC/MS/SIM	
N,N-Dimethylsulfamid (DMS)	<0.010	µg/l	AK207 - LC/MS/MS	0.1 µg/l
Chlorothalonilamid-sulfonsyre (R417888)	<0.0050	µg/l	AK78 - LC/MS/MS	0,1 µg/l
Pesticider, DRV BEK 1023:2023	-	-	-- LC/MS/MS	
Alachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Dimethachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Dimethachlor OA (CGA 50266)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metazachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metazachlor OA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Propachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
t-Sulfinyleddikesyre (Acetochlor SAA)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
CGA 369873 (Dimethachlor metab.)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
[(2,6-Dimethylphenyl)(2-sulfoacetyl)amino]eddikesyre	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metaldehyd	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Monuron	<0.010	µg/l	AK78 - LC/MS/MS	
4-Bis-amido-3,5,6-trichlorobenzenesulfonat (R471811) (Nedbr. af Chlorothalonil)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
6-(tert-Butylamino)-1,3,5-triazine-2,4-diol (CGA324007, LM5, nedbr. af Terbutylazin)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
4-(tert-Butylamino)-6-hydroxy-1-methyl-1,3,5-triazin-2(1H)-one (SYN545666, LM6, nedbr. af Terbutylazin)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
2,6-Dihydroxy-7,7-dimethyl-6,8-dihydroimidazo[1,2a][1,3,5]triazin-4(6H)-on (LM3)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
PFAS 22 Vandforsyning	-	-		
PFOS, Perfluorooctansulfonsyre	*1	<0.10	ng/l US EPA 537, CSN P CEN/TS 15968	
PFBA, Perfluorbutansyre	*1	<1.0	ng/l US EPA 537, CSN P CEN/TS 15968	
PFPeA, Perfluorpentansyre	*1	<1.50	ng/l US EPA 537, CSN P CEN/TS 15968	
PFHxA, Perfluorhexansyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFHpA, Perfluorheptansyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFDA, Perfluordekansyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFUnDA, Perfluorundecansyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFDoDA, Perfluordodekansyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFTTrDA, Perfluortridekansyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFBS, Perfluorbutansulfonsyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFPeS, Perfluorpentansulfonsyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	

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PFHpS, Perfluorheptansulfonsyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFNS, Perfluoronansulfonsyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFDS, Perfluordecansulfonsyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFDoDS, Perfluordodecansulfonsyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
6:2 FTS, 1H,1H,2H,2H-Perfluoroctansulfonsyre	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFOSA, Perfluoroctansulfonamid	*1	<0.30	ng/l US EPA 537, CSN P CEN/TS 15968	
PFUnDS, Perfluorundecansulfonsyre	*1	<1.0	ng/l US EPA 537, CSN P CEN/TS 15968	
PFTrDS, Perfluortridecansulfonsyre	*1	<1.0	ng/l US EPA 537, CSN P CEN/TS 15968	
PFOA, Perfluoroctansyre	*1	<0.10	ng/l US EPA 537, CSN P CEN/TS 15968	
PFNA, Perfluoronansyre	*1	<0.10	ng/l US EPA 537, CSN P CEN/TS 15968	
PFHxS, Perfluorhexansulfonsyre	*1	<0.10	ng/l US EPA 537, CSN P CEN/TS 15968	
Radioaktivitet				
Total alpha aktivitet	*1	<0.04	Bq/l CSN 75 7611	
Total beta aktivitet	*1	<0.10	Bq/l CSN 75 7612	
Radon (EMA)	*1	1.6	Bq/l CSN 75 7624	100 Bq/l
Total indicative dose (TID)	*1	<0.03	mSv/år CZ_SOP_D06_07_372	
Tritium	*1	<10	Bq/l CSN ISO 9698	100 Bq/l
Sum af PFAS, 22 stoffer	*2	<4.55	ng/l US EPA 537, CSN P CEN/TS 15968	
Sum af PFOA, PFOS, PFNA, PFHxS	*2	<0.20	ng/l US EPA 537, CSN P CEN/TS 15968	2 ng/l

Kommentar

Højest tilladelige værdi er overholdt for de undersøgte parametre.

Underleverandør

- *1 ALS Czech Republic s.r.o, CAI L1163
- *2 # ALS Czech Republic s.r.o, CAI L1163
- *3 GBA Gesellschaft für Bioanalytik mbH, DAkkS D-PL-14170-01-00

Helle Hornemann

Kopimodtagere:

Halsnæs Kommune, Rådhuspladsen 1, 3300 Frederiksværk