Ordrenr: 965009
Sagsnavn: 41012234-056

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

ANALYSERAPPORT

Sweco Danmark A/S
Ørestads Boulevard 41
2300 Kbh.
Att.: Sweco Danmark A/S

Udskrevet:	27-11-2025
Version:	1
Modtaget:	06-11-2025
Analyseperiode:	06-11-2025 - 27-11-2025
Ordrenr.:	965009

Sagsnavn:	41012234-056
Lokalitet:	FES_BHR Flådestation Korsør
Udtaget:	05-11-2025
Prøvetype:	Sediment
Prøvetager:	Sweco/MR/JU
Kunde:	Sweco Danmark A/S, Ørestads Boulevard 41, 2300 Kbh., Att. Jesper Schrøder

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

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Ordrenr: 965009
Sagsnavn: 41012234-056

ANALYSERAPPORT

Prøvenr.:		278509/25	278510/25	278511/25	278512/25		
Prøve ID:		A-op	B-op	C-op	D-op		
Kommentar		*1	*1	*1	*1		
Parameter						**Enhed**	**Metode**
Tørstofindhold		58.6	44.1	58.7	41.2	%	DS 204:1980
Total phosphor, vandopløslig		4.9	86	7.6	6.5	mg/kg TS	Vandudryst+DS/EN ISO 6878:2004
Glødetab af total prøve		2.9	2.9	2.7	4.0	%	DS 204:1980
Total kvælstof, N, vandopløseligt	#	21	7.2	41	96	mg/kg TS	DS/EN ISO 11905-1:1998
Arsen, As		5.1	8.1	6.1	8.6	mg/kg TS	DS/EN ISO 15587-2:2003 + DS/EN ISO 22036:2024
Bly, Pb		18	13	15	21	mg/kg TS	DS/EN ISO 15587-2:2003 + DS/EN ISO 22036:2024
Cadmium, Cd		0.42	0.48	0.78	0.87	mg/kg TS	DS/EN ISO 15587-2:2003 + DS/EN ISO 22036:2024
Chrom (total), Cr		13	14	13	21	mg/kg TS	DS/EN ISO 15587-2:2003 + DS/EN ISO 22036:2024
Kobber, Cu		39	22	25	33	mg/kg TS	DS/EN ISO 15587-2:2003 + DS/EN ISO 22036:2024
Kviksølv, Hg		0.057	0.045	0.069	0.054	mg/kg TS	DS/EN ISO 15587-2:2003+DS/EN 16175-1:2016
Nikkel, Ni		11	12	11	18	mg/kg TS	DS/EN ISO 15587-2:2003 + DS/EN ISO 22036:2024
Zink, Zn		90	68	69	110	mg/kg TS	DS/EN ISO 15587-2:2003 + DS/EN ISO 22036:2024
Total kvælstof, N		2400	2500	2100	3900	mg/kg TS	DS/EN 16168:2012
Total phosphor, P		540	520	470	740	mg/kg TS	DS/EN ISO 15587-2:2003 + DS/EN ISO 22036:2024
PAH'er, 9 stoffer						-	REFLAB 4:2008
Phenanthren		<0.010	0.025	0.039	0.045	mg/kg TS	REFLAB 4:2008
Antracen		<0.010	<0.010	0.016	0.023	mg/kg TS	REFLAB 4:2008
Fluoranthen		0.023	0.069	0.089	0.13	mg/kg TS	REFLAB 4:2008
Pyren		0.031	0.053	0.11	0.11	mg/kg TS	REFLAB 4:2008
Benz(a)anthracen		<0.010	0.018	0.036	0.045	mg/kg TS	REFLAB 4:2008
Chrysen		0.015	0.031	0.064	0.066	mg/kg TS	REFLAB 4:2008
Benz(a)pyren		0.018	0.037	0.074	0.060	mg/kg TS	REFLAB 4:2008
Indeno(1,2,3-cd)pyren		<0.010	0.026	0.054	0.057	mg/kg TS	REFLAB 4:2008
Benz(ghi)perylen		0.013	0.028	0.064	0.067	mg/kg TS	REFLAB 4:2008
Sum af PAH'er 9 komp.	#	0.13	0.34	0.70	0.60	mg/kg TS	REFLAB 4:2008
Kornstørrelsesfordeling	*2	Se vedhæftet	Se vedhæftet	Se vedhæftet	Se vedhæftet	-	ISO 11277:2020
Tørstofindhold v. 105°C	*4	58.6	48.2	62.8	38.4	%	DIN EN 15934:2012-11
PCB i sediment						-	DIN ISO 10382: 2003-05
PCB congen 28	*4	0.00034	<0.00010	0.00020	0.00024	mg/kg TS	DIN ISO 10382: 2003-05
PCB congen 52	*4	0.0056	0.00017	0.00051	0.00039	mg/kg TS	DIN ISO 10382: 2003-05
PCB congen 101	*4	0.012	0.00035	0.0011	0.00066	mg/kg TS	DIN ISO 10382: 2003-05
PCB congen 118	*4	0.0097	0.00031	0.00082	0.00062	mg/kg TS	DIN ISO 10382: 2003-05
PCB congen 138	*4	0.013	0.00045	0.0013	0.00089	mg/kg TS	DIN ISO 10382: 2003-05
PCB congen 153	*4	0.017	0.00052	0.0016	0.0010	mg/kg TS	DIN ISO 10382: 2003-05
PCB congen 180	*4	0.020	0.00032	0.0011	0.00041	mg/kg TS	DIN ISO 10382: 2003-05
PCB, sum af 7 congener	*4	0.07764	0.00212	0.00663	0.00421	mg/kg TS	DIN ISO 10382: 2003-05
Tørstofindhold 105°C	*3	69.7	51.8	59.3	38.4	%	SS-EN 15934:2012
Organotinforbindelser, TBT						-	SS-EN ISO 23161:2018
Tributyltin, TBT-Sn	*3	5.16	11.01	21.49	18.66	µg Sn/kg TS	SS-EN ISO 23161:2018 + beregning
Tributyltin-cation (TBT)	*3	12.6	26.9	52.5	45.6	µg/kg TS	SS-EN ISO 23161:2018

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

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ANALYSERAPPORT

Ordrenr: 965009
Sagsnavn: 41012234-056

Kommentar

*1 Ingen kommentar
*2 Underleverandør: ALS Czech Republic s.r.o, CAI L1163
*3 Underleverandør: ALS Scandinavia AB, SWEDAC 2030
*4 Underleverandør: GBA Gesellschaft für Bioanalytik mbH, DAkkS D-PL-14170-01-00

Katrin Potthoff

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

Attachment no. 1 to the certificate of analysis for work order PR25E2997

Method: S-GRAINSIZ

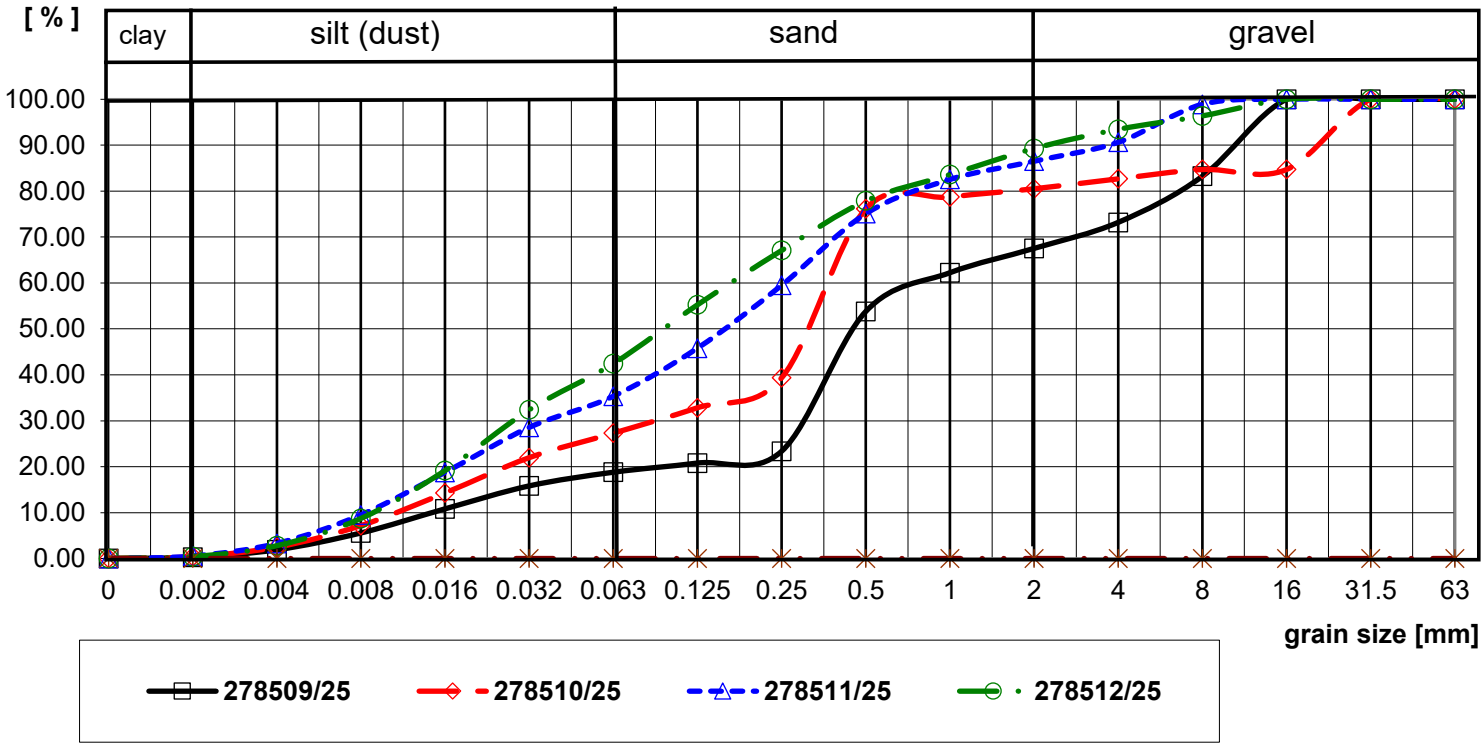
Issue Date: 26.11.2025

Sample label:				278509/25	278510/25	278511/25	278512/25
Lab. ID:				001	002	003	004
Total weight of sample:			[g]	47.62	36.03	60.39	40.68
q	< 0.002	mm	[%]	0.30	0.39	0.54	0.42
q	0.002-0.004	mm	[%]	1.60	2.08	2.75	2.37
q	0.004-0.008	mm	[%]	3.67	4.70	6.22	5.94
q	0.008-0.016	mm	[%]	5.24	7.12	9.26	10.42
q	0.016-0.032	mm	[%]	5.00	7.68	9.79	13.23
q	0.032-0.063	mm	[%]	2.97	5.32	6.79	10.06
q	< 0.063	mm	[%]	18.79	27.29	35.35	42.45
q	0.063-0.125	mm	[%]	1.99	5.54	10.47	12.81
q	0.125-0.250	mm	[%]	2.58	6.53	13.70	11.83
q	0.250-0.500	mm	[%]	30.43	36.80	15.58	10.79
q	0.500-1.000	mm	[%]	8.44	2.55	7.45	5.73
q	1.000-2.000	mm	[%]	5.29	1.80	3.97	5.68
q	2.000-4.000	mm	[%]	5.67	2.16	4.12	4.18
q	4.000-8.000	mm	[%]	10.04	2.03	8.26	2.93
q	8.000-16.000	mm	[%]	16.76	0.00	1.09	3.61
q	16.00-31.50	mm	[%]	0.00	15.29	0.00	0.00
q	31.50-63.00	mm	[%]	0.00	0.00	0.00	0.00
q	> 63.00	mm	[%]	0.00	0.00	0.00	0.00
Q	< 0,002	mm	[%]	0.30	0.39	0.54	0.42
Q	< 0.004	mm	[%]	1.90	2.47	3.29	2.79
Q	< 0.008	mm	[%]	5.57	7.17	9.51	8.74
Q	< 0.016	mm	[%]	10.82	14.29	18.77	19.16
Q	< 0.032	mm	[%]	15.82	21.97	28.56	32.38
Q	< 0.063	mm	[%]	18.79	27.29	35.35	42.45
Q	< 0.125	mm	[%]	20.79	32.84	45.81	55.25
Q	< 0.250	mm	[%]	23.37	39.36	59.51	67.09
Q	< 0.500	mm	[%]	53.80	76.16	75.10	77.88
Q	< 1.000	mm	[%]	62.24	78.71	82.55	83.60
Q	< 2.000	mm	[%]	67.53	80.52	86.52	89.28
Q	< 4.000	mm	[%]	73.20	82.68	90.64	93.46
Q	< 8.000	mm	[%]	83.24	84.71	98.91	96.39
Q	< 16.00	mm	[%]	100.00	84.71	100.00	100.00
Q	< 31.50	mm	[%]	100.00	100.00	100.00	100.00
Q	< 63.000	mm	[%]	100.00	100.00	100.00	100.00

q -fraction percentage part, **Q** - fraction cumulative part.

Test method specification: CZ_SOP_D06_07_120 (CSN EN ISO 17892-4; CSN EN 933-1; CSN EN 933-2; BS ISO 11277: 2020-A1; pokyn TOM 23/1) Determination of graininess by the combined method of the suspension density, sieve analyses and calculation of permeability from measured values according to USBSC; CZ_SOP_D06_07_123 (ISO 13320) Determination of particle size and distribution using laser diffraction

Attachment no. 1 to the certificate of analysis for work order PR25E2997



The end of result part of the attachment the certificate of analysis

Analytical Results

Sub-Matrix: **SEDIMENT**

		Client sample ID	278509/25		278510/25		278511/25	
		Laboratory sample ID	PR25E2997001		PR25E2997002		PR25E2997003	
		Client sampling date / time	[10-Nov-2025]		[10-Nov-2025]		[10-Nov-2025]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Fraction > 63 mm	S-GRAINSIZ	0.010	%	<0.010	----	<0.010	----	<0.010	----
Fraction 31.5-63 mm	S-GRAINSIZ	0.010	%	<0.010	----	<0.010	----	<0.010	----
Fraction 16-31.5 mm	S-GRAINSIZ	0.010	%	<0.010	----	**15.3**	± 1.53	<0.010	----
Fraction 8-16 mm	S-GRAINSIZ	0.010	%	**16.8**	± 1.68	<0.010	----	**1.09**	± 0.109
Fraction 4-8 mm	S-GRAINSIZ	0.010	%	**10.0**	± 1.00	**2.03**	± 0.203	**8.26**	± 0.826
Fraction 2-4 mm	S-GRAINSIZ	0.010	%	**5.67**	± 0.567	**2.16**	± 0.216	**4.12**	± 0.412
Fraction 1-2 mm	S-GRAINSIZ	0.010	%	**5.29**	± 0.529	**1.80**	± 0.180	**3.97**	± 0.397
Fraction 0.5-1 mm	S-GRAINSIZ	0.010	%	**8.44**	± 0.844	**2.55**	± 0.255	**7.45**	± 0.745
Fraction 0.25-0.5 mm	S-GRAINSIZ	0.010	%	**30.4**	± 3.04	**36.8**	± 3.68	**15.6**	± 1.56
Fraction 0.125-0.25 mm	S-GRAINSIZ	0.010	%	**2.58**	± 0.258	**6.53**	± 0.653	**13.7**	± 1.37
Fraction 0.063-0.125 mm	S-GRAINSIZ	0.010	%	**1.99**	± 0.199	**5.54**	± 0.554	**10.5**	± 1.05
Fraction 0.032-0.063 mm	S-GRAINSIZ	0.010	%	**2.97**	± 0.297	**5.32**	± 0.532	**6.79**	± 0.679
Fraction 0.016-0.032 mm	S-GRAINSIZ	0.010	%	**5.00**	± 0.500	**7.68**	± 0.768	**9.79**	± 0.979
Fraction 0.008-0.016 mm	S-GRAINSIZ	0.010	%	**5.24**	± 0.524	**7.12**	± 0.712	**9.26**	± 0.926
Fraction 0.004-0.008 mm	S-GRAINSIZ	0.010	%	**3.67**	± 0.367	**4.70**	± 0.470	**6.22**	± 0.622
Fraction 0.002-0.004 mm	S-GRAINSIZ	0.010	%	**1.60**	± 0.160	**2.08**	± 0.208	**2.75**	± 0.275
Fraction < 0.002 mm	S-GRAINSIZ	0.010	%	**0.297**	± 0.030	**0.392**	± 0.039	**0.543**	± 0.054

Sub-Matrix: **SEDIMENT**

		Client sample ID	278512/25		----		----	
		Laboratory sample ID	PR25E2997004		----		----	
		Client sampling date / time	[10-Nov-2025]		----		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Fraction > 63 mm	S-GRAINSIZ	0.010	%	<0.010	----	**----**	----	**----**	----
Fraction 31.5-63 mm	S-GRAINSIZ	0.010	%	<0.010	----	**----**	----	**----**	----
Fraction 16-31.5 mm	S-GRAINSIZ	0.010	%	<0.010	----	**----**	----	**----**	----
Fraction 8-16 mm	S-GRAINSIZ	0.010	%	**3.61**	± 0.361	**----**	----	**----**	----
Fraction 4-8 mm	S-GRAINSIZ	0.010	%	**2.93**	± 0.293	**----**	----	**----**	----
Fraction 2-4 mm	S-GRAINSIZ	0.010	%	**4.18**	± 0.418	**----**	----	**----**	----
Fraction 1-2 mm	S-GRAINSIZ	0.010	%	**5.68**	± 0.568	**----**	----	**----**	----
Fraction 0.5-1 mm	S-GRAINSIZ	0.010	%	**5.73**	± 0.573	**----**	----	**----**	----
Fraction 0.25-0.5 mm	S-GRAINSIZ	0.010	%	**10.8**	± 1.08	**----**	----	**----**	----
Fraction 0.125-0.25 mm	S-GRAINSIZ	0.010	%	**11.8**	± 1.18	**----**	----	**----**	----
Fraction 0.063-0.125 mm	S-GRAINSIZ	0.010	%	**12.8**	± 1.28	**----**	----	**----**	----
Fraction 0.032-0.063 mm	S-GRAINSIZ	0.010	%	**10.1**	± 1.01	**----**	----	**----**	----
Fraction 0.016-0.032 mm	S-GRAINSIZ	0.010	%	**13.2**	± 1.32	**----**	----	**----**	----
Fraction 0.008-0.016 mm	S-GRAINSIZ	0.010	%	**10.4**	± 1.04	**----**	----	**----**	----
Fraction 0.004-0.008 mm	S-GRAINSIZ	0.010	%	**5.94**	± 0.594	**----**	----	**----**	----
Fraction 0.002-0.004 mm	S-GRAINSIZ	0.010	%	**2.37**	± 0.237	**----**	----	**----**	----
Fraction < 0.002 mm	S-GRAINSIZ	0.010	%	**0.422**	± 0.042	**----**	----	**----**	----

When sampling date is not provided by the client, the laboratory determines it for procedural reasons, then it is equal to the date of receipt of the sample to the laboratory and is displayed in brackets. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.

Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Bendlova 1687/7 Ceska Lipa Czech Republic 470 01	

Analytical Methods	*Method Descriptions*
S-GRAINSIZ	CZ_SOP_D06_07_120 (CSN EN ISO 17892-4; CSN EN 933-1; CSN EN 933-2; BS ISO 11277: 2020-A1; pokyn TOM 23/1) Determination of graininess by the combined method of the suspension density, sieve analyses and calculation of permeability from measured values according to USBSC; CZ_SOP_D06_07_123 (ISO 13320) Determination of particle size and distribution using laser diffraction

The symbol "*" for the method indicates a test outside the scope of accreditation of the laboratory or subcontractor. If the UNICO-SUB code is stated in the method table, this only informs that the tests have been performed by a subcontractor and the results are given in an annex to the test report, including information on test accreditation. If the lab used for matrix outside the scope of accreditation or non-standard sample matrix procedure specified in the accredited method and issues non-accredited results, this fact is stated on the title page of this protocol in the section "Notes". If the test report shows the results of subcontracting, the place of performance of the test is outside the laboratories of ALS Czech Republic, s.r.o.
The method for calculating of the summation parameters is available on request in the customer service.

The end of the certificate of analysis

CERTIFICATE OF ANALYSIS

Work Order	: **PR25E2997**	Issue Date	: 26-Nov-2025
Customer	: **ALS DENMARK A/S**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Modtag	Contact	: Client Service
Address	: Bakkegardsvej 406 A 3050 Humlebaek Denmark	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: modtag@milana.dk	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: EXPRESS (13.11.2025) 965009	Page	: 1 of 3
Order number	: ----	Date Samples Received	: 10-Nov-2025
		Quote number	: PR2012ALSSC-DK0006 (CZ-250-11-0704)
Site	: ----	Date of test	: 10-Nov-2025 - 26-Nov-2025
Sampled by	: customer	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory. The laboratory is not responsible for the sample data supplied by the customer and their impact on the validity of the result.
The laboratory declares that the test results relate only to the listed samples. If "ALS" is not included in the test report in the "Sampled by" section, then the results refer to the sample as received.
Attachment number 1 is an integral part of the certificate of analysis.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories	*Position*
Lubomír Pokorný	Country Manager

The company is certified according to ČSN EN ISO 14001 (Environmental management systems) and ČSN ISO 45001 (Occupational health and safety management systems)