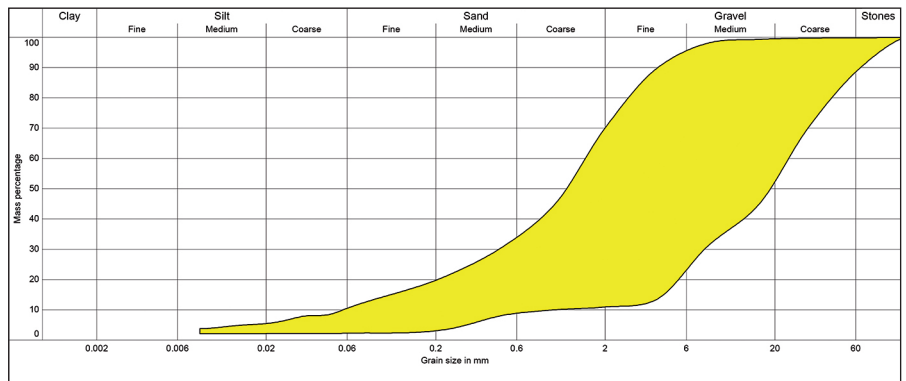


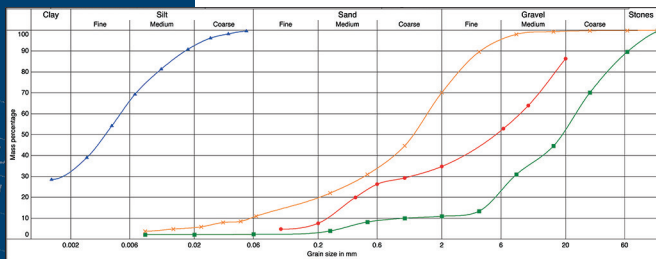
Sieve and sedimentation analysis

DCSIEVE



Graphic as envelope

- Sieve and sedimentation analysis acc. to DIN 18 123-5 to 7, EN ISO/TS 17892-4, OENORM B 4412, SN 670 810c, 670 816a, 670 008a, 670 140b, 670 120d
- German, English, French, Romanian language
- Use of any sieve sets
- Sedimentation with different areo-meters
- Any number of sieve lines on a page
- Optional graphic as envelope
- Limit lines and points according to ZTVT, ETV, DIN 4226, DIN 18035, TL-Min, ZTV SoB, TL SoB, TV-VEG, FLL, BMVBW ARS, DBS 918 061/062, SN 670 120d, SN 670 130, SN 670 119
- Determination of the sediment coefficients: Kurtosis, inclination, sorting etc.
- Detailed evaluations:
 - Irregularity grade U_c
 - Curvature coefficient C_c
 - Angle of internal friction acc. to Lang/Huder/Amann
 - Soil type, optionally with fine subdivision
 - Soil group according to DIN 18 196 / USCS
 - Frost sensitivity class
 - Permeability according to van Hazen, Beyer, Seiler, Kaubisch
 - Portion < 0,063 mm
 - Portions to free grain sizes
 - Grain sizes to free percent values
 - Filter granulation according to DVGW W113 and Bieske
 - Customizable label fields
 - Addition DCSIEVE-ZTVE: Frost-proof analysis according to ZTVE-StB 09 and ZTVT-StB 95



Several sieve lines per page with evaluation

Lab number	1951	1958	1959	1990
Location	B 2	B 3	SoB 1	B 3
Date of sampling	8.50 m	4.50 m	3.50 m	3.50 m
Irregularity grade U	U = 36.1	-	U = 24.0	U = 26.8
Curvature coefficient Cc	Cc = 0.6	-	Cc = 2.4	Cc = 2.6
Soil type	Cl 2	U	Cl, silt	SU
Soil group	U	U	GW	SU
d10 / d60	0.2388 / 0.52 mm	< 0.005 mm	1.00724 / 160 mm	0.0571 / 525 mm
Porosity < 0.063 mm	-	100.0%	2.3%	10.9%
Frost sensitivity class	F1	F2	F2	F2
W acc. to Hazen	-(U > 5)	-	-(U > 5)	-(U > 5)
W acc. to Beyer	-(U > 36)	-	2.26-003 m/s	2.26-003 m/s
W acc. to Seiler	3.8E-004 m/s	-	4.0E-002 m/s	1.1E-004 m/s
Filter granulation (W 113)	8 - 16 mm	< 0.4 mm	> 31.5 mm	8 - 16 mm
PVI acc. Lang/Huder/Krumm	-	11.9	-	-

Analysis according to ZTVE/ZTVT

Soil group acc. to USCS / ZTVE-StB 09:	GI Gravel, intermediately graded		
Frost sensitivity class acc. to ZTVE-StB 09:	F1 (not frost sensitive)		
Requirements to the anti-freeze layer acc. to ZTVT-StB 09			
a) Frost sensitivity			
Portion <= 0.063 mm in m.-%	Sieve passing available 2.6%	perm. portion <= 5.0%	Requirement fulfilled yes
Judgement:			
The requirements to the anti-freeze layer acc. to ZTVE-StB 09 are fulfilled.			