

Test results

Department
Environmental-
analyses

CUSTOMER Manz CIGS Technology GmbH, 74523 Schwäbisch Hall
 SAMPLE TYPE waste water sample
 SAMPLE TAKEN AT drilling - washing machine waste water
 SAMPLE TAKEN ON 13th June 2017
 SAMPLE TAKEN BY Mr Glier, Manz CIGS Technology GmbH
 LOG NO. 235 306 SAMPLE RECEIVED ON 16th June 2017

Parameter	(method / standard)	Measured value	Dimension
Optical appearance	(visual)	colorless, clear	
Smell	(DEV B 1/2)	negative	
Sediment	(visual)	negative	
pH value at 20°C	(DIN 38404 C 5)	8.7	--
El. conductivity at 25°C	(DIN EN 27888 C 8)	530	µS/cm
filterable substances	(DIN 38409 H 2-3)	< 1.0	mg/l
Dry residue at 105°C	(DIN EN 12880 S 2a)	350	mg/l
ICP-MS - overview analysis	(DIN EN ISO 17294-2 E 29)	see attachment	mg/l
COD chemical oxygen demand	(DIN 38409 H 41)	< 5	mg/l O ₂
BOD biochemical oxygen demand	(DIN EN 1899-1 H 51)	< 3	mg/l O ₂
ammonium nitrogen (FIA)	(DIN EN ISO 11732 E 23)	< 0.1	mg/l N
organically bonded nitrogen	(DIN EN 25663 H 11)	< 0,1	mg/l N
Sulfate	(DIN EN ISO 10304-1 D 20)	29	mg/l SO ₄
Chloride	(DIN EN ISO 10304-1 D 20)	24	mg/l Cl

Note: The test results apply exclusively to the tested sample. It is not permitted to copy this report in whole or in part without the test lab's consent in writing.

Ludwigsburg, 2017-06-30

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