

GLÓWNY INSTYTUT GÓRNICICTWA - ZAKŁAD MONITORINGU ŚRODOWISKA

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[Central Mining Institute - Department of Environmental Monitoring, Laboratory of Water and Sewage Analyses]

Analysis result form No. 55/2007

Sampling site: , Well St-5 brine, sampled 27 Dec 2006

Sampled by Employer, delivered on 10 Jan 2007

Conductivity [$\mu\text{S}/\text{cm}$] 49700

pH 6.95

Dissolved solids [mg/l] 35700

alkalinity [mval/l]: „p” 0.0 „m” 1.85

hardness:	[mval/l]	[$\text{mgCaCO}_3 / \text{l}$]	[°n]
total	89.1	4460	249
temporary	1.85	92.5	5.18
permanent	87.2	4360	244

	[$\text{mg N}/\text{l}$]
Ammonia nitrogen	47.1
Nitrate nitrogen	< 0.1
Nitrite nitrogen	< 0.006

Total Cl + SO4	[mg/l]
	21140

	mval/l	mg/l		mval/l	mg/l
Calcium	47.4	949.9	Chloride	596	21140
Magnesium	41.7	506.7	Sulfate	-	< 1
Sodium	514	11820	Carbonate	0.0	0.0
Potassium	2.32	90.71	Hydrocarbonate	1.85	113
Iron	0.67	12.5	Nitrate	-	< 0.5
Manganese	0.030	0.82	Nitrite	-	< 0.02
Ammonia	3.36	60.5	Silicate	0.33	12.6
Barium	0.37	25.5	Bromide	1.76	141
Strontium	0.85	37.2	Iodide	1.04	132
			Fluride	0.026	0.50
total	611	13500	total	601	21540

analysis performed on 22 Jan 2007