

Supplementary Materials: The Temperature of Halite Crystallization in the Badenian Saline Basins in the Context of Paleoclimate Reconstruction of the Carpathian Area

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Table S1. Inclusion homogenization temperatures of the bottom and cumulate halite from the Badenian salt-bearing deposits of the Carpathian area.

Sample Number	Sample Location	Temperature °C														
		The Wieliczka Salt Mine														
106	Upper spiza salts	20.5	20.5	20.5	20.5	20.5	21.0	21.0	21.5	21.5	21.5	21.5	22.0	22.0	22.5	22.5
		22.5	22.5	22.5	23.0	23.0	23.0	23.0	23.0	23.5	23.5	23.5	23.5	23.5	24.0	24.0
		25.0	25.0	25.0	25.5	25.5	25.5	-	-	-	-	-	-	-	-	-
		18.0	18.5	19.0	19.0	19.0	20.5	20.5	-	-	-	-	-	-	-	-
16	Upper spiza salts	18.0	18.5	19.0	19.0	19.0	20.5	20.5	-	-	-	-	-	-	-	-
120	Lower spiza salts	16.0	16.0	16.5	16.5	18.0	18.0	18.0	19.0	19.0	19.0	19.0	20.0	20.5	20.5	-
98	Shaft salt	18.5	18.5	18.5	19.0	19.5	19.5	19.5	19.5	20.0	20.0	21.0	21.5	21.5	22.0	-
97	Shaft salt	19.5	20.0	20.5	20.5	22.5	23.0	23.5	23.5	24.0	24.0	25.0	25.0	25.5	26.0	-
91	Stratiform green salts	18.0	19.0	19.5	19.5	20.0	20.5	21.0	21.0	22.0	22.0	-	-	-	-	-
11	Stratiform green salts	15.0	15.0	16.0	17.5	17.5	18.0	-	-	-	-	-	-	-	-	-
Sample Number	Depth (m)	The Hrynivka Salt Deposit. Borehole No. 525														
		13.0	14.5	14.5	15.0	15.5	17.0	17.5	19.0	-	-	-	-	-	-	-
1342	304	13.0	14.5	14.5	15.0	15.5	17.0	17.5	19.0	-	-	-	-	-	-	-
1351	349	21.5	22.0	22.0	22.0	22.0	22.5	23.0	24.5	24.5	-	-	-	-	-	-
1352	362	18.0	18.0	18.5	18.5	19.0	19.0	19.0	19.5	19.5	19.5	20.5	20.5	21.5	21.5	-
1353	366	21.5	22.5	23.0	23.0	23.5	23.5	23.5	24.0	24.0	-	-	-	-	-	-
1354	376	20.5	23.0	23.0	23.0	23.0	23.0	25.5	25.5	-	-	-	-	-	-	-
1357	410-411	16.0	17.0	17.5	17.5	18.0	18.0	18.0	19.0	19.5	19.5	-	-	-	-	-
1361	444-448	20.5	20.5	21.0	21.0	21.0	21.0	22.0	22.0	23.0	23.5	23.5	24.5	24.5	25.5	26.0
1362	454-456	15.5	17.5	17.5	17.5	18.0	18.0	18.0	19.5	20.0	-	-	-	-	-	-
1369	518	15.0	15.5	15.5	15.5	16.5	16.5	16.5	17.0	18.5	18.5	19.0	-	-	-	-
Sample Number	Depth (m)	The Zbudza Salt Deposit. Borehole Ep-2														
		19.0	19.5	19.5	20.0	21.5	21.5	22.0	23.0	23.0	23.5	24.0	24.5	24.5	25.0	25.5
71	189.5	26.0	26.0	-	-	-	-	-	-	-	-	-	-	-	-	-
70	191.8	16.0	17.5	17.5	18.5	19.0	19.0	19.5	-	-	-	-	-	-	-	-
68	195.5	20.5	21.0	21.0	21.0	21.0	22.0	22.0	22.0	23.0	23.0	-	-	-	-	-
65	204.5	18.0	19.0	19.0	19.5	19.5	19.5	20.0	20.0	20.0	20.5	-	-	-	-	-
63	211.5	17.0	17.0	18.0	18.0	19.5	20.0	20.5	20.5	-	-	-	-	-	-	-

61	217.5	19.5	20.0	20.0	21.5	21.5	22.0	22.5	22.5	23.0	23.0	23.0	23.0	23.5	23.5	24.0
		25.0	25.0	25.0	25.0	-	-	-	-	-	-	-	-	-	-	-
59	225.8	18.5	21.0	22.5	22.5	23.0	23.0	23.0	-	-	-	-	-	-	-	-
56	236.4	17.5	18.0	18.0	18.0	18.0	19.0	19.0	-	-	-	-	-	-	-	-
54	239.2	15.0	15.5	15.5	15.5	16.0	16.0	17.5	17.5	17.5	18.0	18.0	18.5	18.5	19.0	19.0
53	241.0	19.0	19.5	19.5	20.0	20.5	21.0	21.0	21.0	21.5	21.5	22.5	23.0	23.0	23.0	23.5
		23.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	243.5	19.5	21.5	22.0	22.0	23.5	23.5	23.5	23.5	23.5	24.0	24.0	24.0	24.0	-	-
50	246.0	17.5	18.5	18.5	18.5	20.5	20.5	21.5	21.5	21.5	21.5	21.5	22.0	22.5	22.5	22.5
		22.5	23.5	24.0	-	-	-	-	-	-	-	-	-	-	-	-
Sample Number		The Slanic-Prahova Salt Mine														
P-25	Upper Evaporitic Fm.	20.0	20.0	21.5	21.5	22.0	22.0	22.0	23.0	23.0	23.5	24.0	-	-	-	-
Sample Number		The Ocna Dej Salt Mine														
P-50	Ocna Dejului Fm	19.5	20.0	20.0	20.0	21.5	21.5	21.5	22.0	22.0	23.5	-	-	-	-	-
P-52	Ocna Dejului Fm	15.5	15.5	15.5	18.0	18.5	19.5	19.5	20.5	-	-	-	-	-	-	-
Sample Number	Type of salt	The Solotvyno Salt Mine, mine no. 9														
116 *	White, high-quality salt, hopper halite	22.5	22.5	23.0	23.0	32.0	33.0	34.0	-	-	-	-	-	-	-	-
34 *	White, high-quality salt, hopper halite	20.0	20.0	23.5	25.5	26.0	34.0	34.0	34.0	34.0	34.5	34.5	36.0	36.0	-	-
14	Gray, substandard salt, chevron halite	18.0	19.5	19.5	20.0	20.5	20.5	23.0	23.0	23.5	23.5	23.5	23.5	25.0	25.0	
28	Gray, substandard salt, chevron halite	22.0	23.0	23.5	25.0	25.5	26.0	26.0	-	-	-	-	-	-	-	-
15	Gray, substandard salt, chevron halite	16.0	16.0	18.0	19.0	19.0	19.5	19.5	-	-	-	-	-	-	-	-
18	Gray, substandard salt, chevron halite	15.0	15.5	15.5	19.0	19.0	19.0	20.0	20.5	20.5	-	-	-	-	-	-
27	White, high-quality salt, chevron halite	17.5	22.0	22.0	23.5	23.5	24.0	24.0	25.5	-	-	-	-	-	-	-

Note: * The cumulate texture of halite.