Sample No.; Location	Description	δ <sup>13</sup> C (‰ PDB)	δ <sup>18</sup> Ο (‰ PDB)
Cryogenic Cave Pearls – Slo	ovakia		
KD-1; Demänovská Ice Cave, Kmeťov Hall	Polygonal, approximately 5 mm large white irregular pearl with very fine grained surface layer (about 0.5 mm thick); the inner part is yellowish and coarse crystalline	-4.29	-5.14
KD-3; Demänovská Ice Cave, Kmeťov Hall	Fine-grained cryogenic material, irregular aggregates with various shapes, plates and micro-pearls, diameter from several tenths to 3 mm	-1.30	-4.82
KD-4a; Demänovská Ice Cave, Kmeťov Hall	Smaller irregular pearl with very fine-grained surface (pearl diameter 4 mm)	-5.19	-5.42
KD-5; Demänovská Ice Cave, Kmeťov Hall	Fine-grained cryogenic material, irregular white to yellowish-white particles of various shapes, crusts, plates, size from several tenths to 3 mm)	-1.95	-4.67
BD-1; Demänovská Ice Cave, Belov Hall	White-grey pearl/nodule (diameter 7 mm); fine crystalline inner part with concentric structure; surface is also fine crystalline	-2.63	-5.05
BDch-1; Demänovská Ice Cave, Belov Hall, branching corridor	Regular white micro-pearls (diameter up to 1 mm); with well visible crystalline surface	-0.27	-4.97
KN-1; Demänovská Ice Cave, at Book of Visitors	Slightly irregular, light grey (on surface) and yellowish-white (inside) pearl with diameter of 8 mm; crystalline inner part with concentric structure; compact (smooth) surface	-5.66	-5.84
Hch-2/A; Demänovská Ice Cave, Upper Corridor	Fine-grained cryogenic material with micro-pearls; the sample contains two types of different grains; in this subsample A there are separated only very small, white to grey micro-pearls, with crystalline surface	-1.62	-4.97
Hch-2/B; Demänovská Ice Cave, Upper Corridor; the same field sample as Hch-2/A	The same sample as above, larger (up to 2 mm) white, sometimes slightly yellowish pearls, frequently of irregular shape	-2.40	-5.17
SCHJ-1; Suchá Cave, the main pearl accumulation	Pearls sized up to 2 mm, often clustered in larger aggregates; yellowish-white, slightly irregular, with very fine crystalline surface	-0.87	-5.38
SCHJ-2; Suchá Cave, the main pearl accumulation	Larger pearl of grey-white color; diameter up to 4 mm; surface is more coarse crystalline	-1.42	-5.47
SCHJ-3; Suchá Cave, the main pearl accumulation	Fine-grained cryogenic material; regular, white to yellowish-white micro-pearls (size from several tenths to 2 mm); with crystalline surface	3.83	-4.59
DLJ-2010-6; Demänovská Ice Cave, Kmeťov Hall	Accumulation of fine-grained cryogenic material below a small, 25 cm high ice stalagmite; contains small aggregates, micro-pearls	-2.10	-4.65

DLJ-2010-10; Demänovská lce	Thick accumulation of small (< 3 mm) white pearls, sampled from a	2.85	-5.23
Cave, Upper Corridor	shallow excavation below fallen limestone blocks; today inactive site		
SCHJ-2010-3; Suchá Cave, the	The largest accumulation of CCP in the Suchá Cave, partly covered	-2.04	-5.21
main pearl accumulation	by younger speleothem, inactive site		
MSJ-2010-1; Malá Stanišovská	Small (< 2 mm) white pearls, site with active pearl formation, each	-4.46	-5.66
Cave, 40 m from the entrance	winter are the pearls uplifted by growing ice		
MSJ-2010-2; Malá Stanišovská	Fine-grained cryogenic precipitate, micro-pearls, similar to the	-0.93	-4.62
Cave, 40 m from the entrance	previous sample		
Cryogenic cave powders fro	m surfaces of large ice accumulations – Slovakia		
KD08-1; Demänovská Ice Cave,	Fine-grained recent cryogenic powder on the surface of the main ice	-1.62	-4.48
Kmeťov Hall	block, 2008 sampling		
DLJ-2010-1; Demänovská Ice	Fine-grained cryogenic powder, redeposited over the surface of the	0.69	-4.53
Cave, Kmeťov Hall	main ice block by flowing melt-water, 2010 sampling		
DLJ-2010-2; Demänovská Ice	Fine-grained cryogenic powder, redeposited over the ice surface by	3.66	-3.18
Cave, Štrkový Hall	melt-water, 2010 sampling		
SCHJ-2010-2; Suchá Cave, surface	Fine-grained cryogenic powder, at a site of very high cave ventilation,	11.18	-4.17
of large ice stalagmite near cave	influenced by water and ice evaporation; yellow color		
entrance			