

**CERTIFICATE**

PROPERTIES OF CURATIVE SEA MUD no. 03 FROM KÄINA BAY

In Tallinn

May 08, 1997

**PHYSICAL PROPERTIES**

Water content (% percentage in wet mud)	65-75
Relative density ( $g/cm^3$ )	1,24 – 1,52
pH	6,9 – 7,5
Shear strength ( $dyn/cm^2$ )	970 – 3 600
Texture: particles > 0.1 mm	1,1 – 3,0%
0.1 – 0.05 mm	28,0 – 45,0 %
0.05 – 0.01 mm	33,5 – 56,0 %
< 0.01 mm	11,0 – 21,0%

**CHEMICAL PROPERTIES**

Content of organic matter (percentage in dry matter)	2,0 – 7,5
Content of heavy metals (mg/kg)	Pb 14 Cd 0.87 Cu 17
Radioactive elements (mg/kg)	U < 2 Th 6,7 Sr 112

**HYGIENE INDICATORS AND BACTERIOLOGICAL PROPERTIES**

(Data from State Health Protection Office):

Coliform bacteria	<30 colonies in 1 dm <sup>3</sup> of mud
Pathogenic microflora	none

The curative sea mud analysed conforms to requirements ("Parameters set for Curative Mud and Processing Sand" – Estonian Government Regulation no. 78, Feb 21, 1995). The curative mud extracted and used must correspond to these parameters.

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**EESTI GEOLOOGIAKESKUS**  
**GEOLOGICAL SURVEY OF ESTONIA**

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Vello Klein  
Geological Survey of Estonia  
Director

**Approved**

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**Health Protection Office of Estonia**

*/signature/*

T. Trei  
Director General of State Health Protection Office  
May 9, 1997  
№ 5/1346