



*„We bring Techirghiol Lake to your home”*

## **Presentation MUDNETT NATURAL MUD from Techirghiol Lake, Romania, East Europe**

Usage of the mud as a therapeutic factor has been well-known for thousands of years, mud therapy being one of the oldest treatments used ever since the Ancient Egypt and later, and some application methods were preserved until nowadays.

The Techirghiol mud is known as a therapeutic factor for over 200 years and it is the object of the activity of the famous sanatorium from the same location for over 100 years.

The Techirghiol mud is prepared to be delivered in the whole country and even abroad, right now being available as we present it for home treatments, in beauty parlors, sanatoria and sold in stores.

The appearance of this product was possible because we finalized an investment project.

Using a competitive technology compatible with ISO 9001 standards, we attained to create products accepted by the National Institute of Recovery, Physical Medicine and Balneotherapy and Notified by the Health Ministry, IBA Institute.

Their last generation wrapping presents them in a modern and easy to handle way, having on the back of the product clear instructions. They are wrapped in boxes of 1x24 bags of 400g and/or 600g.

### **MUDNETT ingredients**

1. Organic: Humic acids 1,828; Ethereal extract 0,537; benzene-alcohol extract 0.889; organic carbon 0,379; organic nitrogen 0,250; soluble carbohydrates 2,254

2. Mineral: Cl<sup>-</sup> 3545,60; SO<sub>4</sub><sup>-2</sup> 548.0; HCO<sub>3</sub><sup>-</sup> 390,4; Na<sup>+</sup> 2218,0; K<sup>+</sup> 96,0; Ca<sup>2+</sup> 89,6; Mg<sup>2+</sup> 167,2; Fe<sup>2+</sup> 9,6; NH<sub>4</sub><sup>+</sup> 12,6; NO<sub>3</sub><sup>-</sup> 57,0; NH<sub>2</sub><sup>+</sup> 1,4; H<sub>2</sub>S 41,931; pH 7,5

### **MUDNETT advantages**

1. It is a 100% natural product, with no additives, that are brought from a clean ecological environment, near the Black Sea.

The Techirghiol mud has a quantitative and qualitative mineralization that classifies it at the head of the sapropelic muds worldwide. Total mineralization: 292.3 g ‰, Cl: 28.53 g ‰, Na<sup>+</sup>K<sup>-</sup>: 18.43 g ‰, Ca: 27.48 g ‰, silica: 140.37 g ‰, H<sub>2</sub>S: 0.7000 g ‰; Br: 0.29 g ‰.

2. The range of tests shows the high level of organic, inorganic and mineral compounds with important antioxygen properties that help the immunity system, the protective mechanism of the body, improving the micro-circulation and physico-chemical properties at the level of the cellular membrane from the process of the organism;

3. The studies of the biological complex upon the mud from Techirghiol show its germicidal action, the modifications at the tissues level stimulating the dynamics of the organism's general metabolism to the level of the glucides, proteins, lipids as well as some enzyme systems. The germicidal action is optimal manifested around the temperature of 40 degrees C, and decreases at lower temperatures and disappears completely at temperatures of over 50 degrees C.

4. The study of the chemical complex of the mud shows the effect of the biogen stimulator upon the tissues with the action of the resistance factors that come from the plants or immigrants that took part at its formation.

5. The high level of the vitamins, minerals, analgesics, organic and biostimulating acids owed to the "chemistry theory" of the ploidogenesis system (mud formation), these substances are deeply passed through the skin in the body and have a manifold effect for the organism.

6. Hydrogen sulfide is an active biological element stimulating the blood stream and the biological process of the skin, increasing the production activity of the enzyme, the level of ascorbic acid in the tissues, helping at the annealing of the metabolism.

7. It has a great capacity of absorption; it has a decongestive effect and removes the toxins, creating for the skin the ability to self-cure.

8. It is very efficient in stimulating the skin's metabolism thus determining the increasing of the skin viability.

9. As the skin is the most expansive elimination organ of the body, the mud increases the removal of the tissue residues.

10. The mud removes the dead cells of the skin and removes the sebum excess and the impurities from the skin.

11. The mud is used for the prevention of the inflammation and the minor infections (juvenile acne), but it also has the ability to repair the effects of the sun, of the photo aging, giving back the suppleness and the firmness of the skin.

12. The most important thing is the fact that it contains minor elements that remineralizes the skin thus being created a good environment for a younger and healthier epidermis.

13. The mud has purifying, cleansing and regenerative properties of the cells. The studies proved that it also has relaxing oxygenation and revival properties of the organism.

14. Influences the healing of the nervous system, similarly with the action of the technicians of alternative medicine such as acupressure and reflexology, revival of the natural elements of the body, collagen and elastin, improves the natural aspect of the skin.

### **MUDNETT Benefits**

- Treats chronic rheumatism, osteoarthritis, muscular ligament aches, pains of the joints, eczema, psoriasis, neuro-dermatological diseases, acne, headaches, neuralgia, stress, insomnia;
- Clears deeply the skin minimizing wrinkles appearance, reviving the complexion at the level of the tissues, eliminates the toxins, removes the fats, reduces cellulites, purifies, softens and gives color and glamour to the skin;
- Stimulates the immunity system, accelerates metabolism, removes the water excess from the body giving the relief sensation, reduces weariness, relaxes the body and the mind, increases the comfort feeling, fortifies, improves the pains suffered from previous accidents as well as those generated by rheumatism or muscular immobility.
- The muscle-articulation pain in sick people with posttraumatic diseases of the limbs was favorably influenced in ambulatory treatment, at the sick person's home, with suitable preparations from liquid natural extract of mud. It was noticed an analgesic, anti-inflammatory and trophic action of this product.
- Hot mud wrapping for recuperation after poliomyelitis problems has a positive reactivity upon quadriceps and ischial-bones, physical and biochemical qualities of the mud proving to be stimulating elements of the organism.
- Vaginal swab procedure with Techirghiol mud is considered with a special very efficient, shortens much the treatment period, normalizes the menses, and decreases a lot dysmenorrhoea and leucorrhoea.
- It has curative effects upon the genital apparatus, it has been noticed the disappearance of trichomonas, the normalization of the values of vaginal PH. These are favorable influences upon the older forms of post-inflammatory and pseudo-tumor forms.
- The balneal procedure with salt and mud application has immediate calming effects giving to the body a vagotrophy vegetative state, according to the intensity and the duration of the balneotherapy.

## MUDNETT Usage

- **Poultice** – warm the mud in the thermo resistant bag at 38-40 degrees C in a hot water bath. For applications and compresses, use the mud in a layer of 1 – 1.5 cm, cover with a cotton texture and wrap it up wool blanket or a thermo blanket. The procedure lasts 15-30 min for 7 days. After every 2 days, there is one break day and the therapy can be combined with massages or inhalations. It is used for the psoriasis, arthritis, eczema, ulceration, inflammation treatment, muscle and rheumatic pains, etc.
- **Mud massage** – in a non-metallic bowl mix the mud in a bag with hot water. Massage your back and the limbs with this mix and afterwards wash;
- **Mud bath** – mix in the tub 2kg of mud (3 bags x 600g or 5 bags x 400g) with water of 37-40 degrees C, as much as it is necessary to cover you, ventilate the mixture. Stay in the tub for 10-15 min., after a week stay in the tub for 30-40 min. It is used for detoxification, the pores dilate at the heat, when you are stressed, tired after a disease, muscle pains, arthritis, skin problems, etc.;
- **Uction** – after having exposed your body to the sun for about 10 min., cover it with a layer of mud of 1 cm, stay in the sun another 30-40 min, then wash (preferably) with salt water. Repeat this action for 7 days, alternating the sun exposure with mud massages or inhalations.

## Contraindications

Experience proved that the mud as a bath must not be used for the external TBC and especially in the one with fistulae as it contains a microbial flora that can lead to a much more serious infection.

Treatments upon it are damaging for the healing because instead of attaining an increased number of the red cells and of the hemoglobin, they decrease their number, generating a decrement of the body's resistance.

## General contraindications

- Febrile acute and chronic diseases in acute exacerbation crisis
- All contagious diseases when they are contagious and in convalescence
- Venereal diseases in the contagious stage
- Cachectic state, no matter the cause
- **Malign tumors**, no matter the form, localization or evolutionary stage

- Repeated and abundant hemorrhages states of any kind
- Bearers of pathological germs or infested with parasitic
- Pathological pregnancy and the normal pregnancy over 3 months
- Epilepsy
- Blood or system diseases that after the general state (anemia, leukemia, cancer)
- Psychopaths with social behavioral disorder
- Chronic alcoholism with neuropsychological disorders
- Toxic manias
- Hyperglycemia uncompensated, difficult to control through diet and drug treatment, especially for those insulin addicted
- Heart, liver or kidney block that manifests itself.

### **Special contraindications**

1. Valvular problems after acute articular rheumatism.
2. Polyarthrosis rheumatological: feverish systemic forms, (vascularization, hepatomegaly), malignant forms, lupoid, and the ones with amyloid.
3. Stiffed spondylitis with respiratory block increased, forms with systemic lesions.
4. Recent fractures without sufficient internal retainer; unstable fractures of the backbone with secondary medulla lesion potential; pathological fractures on bone.
5. Polyneuropathies in acute stage, paraneoplastic neuropathies, neuropathies from collagenosis.
6. Hemiplegia of infectious etiology, malignant tumor, those with a hemorrhagic cause with values of arterial blood-pressure difficult to control under drug treatment.
7. Painful cardiopathy ischemia with frequent crises, the painless one with severe disorders of rhythm and leading, valvulopathies uncompensated, heart block uncompensated, patients with an embolic potential. Lung core uncompensated.
8. Cerebral arteriosclerosis with social behavior disorders.

9. Active lung tuberculosis. Lung mycosis, bronchitis with severe homeosis forms, silicotuberculosis, manifested lung block.
10. Dyspnoea of IV and V degree regardless the cause.
11. Asthuma bronchitis with frequent crises or asthmatic sick states.
12. The bronchitis infection with purulent intensive sputum.
13. Ulcerous disease with gastric or duodenal location in painful crisis, hemorrhagic ulcer in the past three months, relapsing peptic ulcer, gastrointestinal fistulae, malabsorption syndromes, chronic gravel colecystitis with frequent crises, active chronic hepatitis, cirrhosis hepatitis.
14. Gravels with hydronephrosis over I degree, nitrite retention, chronic glomerularnephritis, acute or chronic pyelonephritis with phenomena of kidney block.

### **MUDNETT Applications**

A range of clinical and experimental researches led to the elucidation of the action mechanisms of the mud products, applied parental or functional.

### **Diseases of the locomotion system**

#### **Degenerative rheumatic diseases**

Prearthrosis states

Cervical, back, lumbar spondylitis

Coxarthrosis, gonarthrosis

Periferical localization of the arthroses

#### **Traumatic diseases**

Posttraumatic arthritis

Residual trombophlebetis

Posttraumatic peripheral circulation disorder; residual edema

#### **Chronic inflammatory rheumatism**

Polyarthrits rheumatic (biological stabilized forms, forms with psoriasis)

Stiffed spondylitis (initial forms or biological stabilized; evolutive forms are treated only in the recovery sections of the sanatorium)

Arthritis with infections (after its drainage)

### **Neurological diseases**

Posttraumatic paralysis and paresis

Radiculonephritis

Problems after epidemic acute poliomyelitis

### **Gynecological diseases**

Hyporeactive functional problems with pluriglandural or ovarian block

Secondary neuroendocrine problems of the anatomic healed metrosalpingitis

Inflammatory problems with adhesion, deviation, static disorders;

Chronic, areactive or macrolesional inflammatory processes

Sterility and infertility

### **Dermatological diseases**

Chronic dermatoses, psoriasis, pityriasis, dry eczema, neurodermitas

### **Diseases associated with the main profiles of diseases mentioned**

Diseases of the respiratory and otorhinolarynx systems

Diseases of the heart-vascular system

Digestive and metabolic diseases

Allergies

Diseases of the urinary system

### ***MUDNETT Packing details***

Thermal insulated sealed bag at 400g and 600g

Cardbord box with 24 bags

Pallet with 30 boxes