

INSTRUCTION MANUAL OF SKIN ANTISEPTIC ANOSAN®:

GENERAL INFORMATION:

Disinfectant **ANOSAN®** (further referred to as **ANOSAN®**), produced in the EBM 250FL-PAK installation by electrochemical activation of sodium chloride solution in softened drinking water, is a clear, colorless liquid, odorless or with a slight chlorine odor, which is well miscible with water. The starting components for sodium chloride solution: tap water softened and table salt are higher than 99.5% purity.

The shelf life of the product is 24 months from the date of manufacture, subject to storage conditions.

It is recommended to use the product within 3 months from the date of opening the consumer container, provided that it is stored in a hermetically sealed package.

SPECTRUM OF ANTIMICROBIAL ACTION:

- Microbiocide, virucide, fungicide, sporicide, deodorizer. Effective against COVID 19.

Antimicrobial activity confirmed in accordance with the strict directives of DHGM and DVV by specialized scientific institutions in Germany:

- Institute of Hygiene and Microbiology DR. BRILL + PARTNER GMBH
- Research Institute Dermatest® GmbH
- Institute of Hygiene and Environment IHU
- Laboratory Labor Dr. Merk & Kollegen GmbH
- Independent laboratory Labor LS



According to the parameters of acute toxicity in accordance with GOST 12.1.007-76 **ANOSAN®** when administered into the stomach, applied to intact skin and with inhalation exposure to volatile components of the agent in saturating vapor concentrations belongs to the 4th class of low-hazard compounds. The tool belongs to the 5th class of practically non-toxic substances when administered parenterally according to the classification of K.K. Sidorov. The skin irritant effect with single and repeated application in the recommended modes of use was not detected in the product.

ANOSAN® is used as a skin antiseptic:

- For use by the population in everyday life (hand hygiene);
- For hygienic treatment of hands of employees of enterprises of various profiles; medical personnel and personnel of ambulances, ambulances;
- For the treatment of hands, feet in order to prevent fungal diseases after visiting showers, swimming pools, saunas, with manicure, pedicure, etc.

Application of the agent as a skin antiseptic

Types of treatments	Amount of agent (ml)	Time and method of treatment
Hand hygiene	3.0	Rub into the skin until completely dry, but not less than 15 seconds

Treatment of gloves worn by staff	Twice 3 ml	Wipe twice using a generously moistened sterile swab or irrigate until completely moistened. Processing time is at least 1 minute. Exposure - until the surface of the gloves is completely dry. The total processing time is at least 1.5 minutes.
Preventive treatment of hands, feet	Twice 3 ml	Wipe twice using a generously moistened sterile swab or irrigate until completely moistened. The holding time after the end of processing is 30 seconds.

PRECAUTIONS

- Avoid contact with eyes.

FIRST AID MEASURES

- In case of contact with eyes, rinse with plenty of water for 10-15 minutes. Seek medical attention if necessary.
- If the product enters the stomach and discomfort occurs, give the victim a few glasses of water to drink. Seek medical attention if necessary.

TRANSPORTATION, STORAGE AND PACKAGING:

- The vehicle is transported by all means of transport in accordance with the rules for the carriage of goods in force for this type of transport and guaranteeing the safety of products and containers in hermetically sealed original containers of the manufacturer in compliance with the temperature regime indicated below.
- The agent should be stored in canisters, containers made of acid-alkali-resistant materials against strong oxidants, or in glass containers sealed with rubber or plastic stoppers with a capacity of 1 to 10.0 liters. Store the funds in the manufacturer's containers in covered, dry, ventilated warehouses at a distance of at least 1 m from heating devices, protecting from sunlight. During transportation and storage, it is recommended to store at 5 to 25 ° C, short-term storage at temperatures up to + 40 ° C is allowed. No precipitate forms during storage.
- Store in manufacturer's hermetically sealed containers separate from acids. Protect from direct sunlight.
- Opened packaging should be used within 3 months from the date of opening.

ENVIRONMENTAL PROTECTION MEASURES

- In case of spills, rinse the spilled product with water. No other special measures are required.
- After the expiration date or if the product does not meet the requirements of the standard, the product is disposed of as household waste. It is allowed to drain the agent solutions into the sewer system. After use, the product completely decomposes into its original components (water and salt), does not accumulate in the external environment.

PHYSICO-CHEMICAL METHODS OF RESEARCH MEANS

Disinfectant ANOSAN® is controlled according to the following quality indicators: appearance, color, odor, pH of the agent, concentration of active chlorine (table 2).

Table 2. Quality indicators and standards for ANOSAN® disinfectant

Indicator title	Specifications and standards
1. Appearance	Homogeneous transparent colorless liquid
2. Odor	Possible slight chlorine odor

3. Indicator of the concentration of hydrogen ions of hydrogen (pH) of the agent	7.0 – 8.0
4. Indicator of oxidation concentration (concentration of active chlorine) using iodometry, %	Not less than 0.04±0.005%

Determination of appearance and smell

The appearance and color of the product is determined by visual inspection of the sample in a colorless glass test tube on a white background. The smell is assessed organoleptically.

Determination of the concentration index of hydrogen ions (pH)

The concentration index of hydrogen ions pH (means) is determined in accordance with GOST 22567.5-93.

Determination of active chlorine concentration in ANOSAN® solution

Measuring instruments and equipment:

- High quality laboratory scales of accuracy II in accordance with GOST 53228-2008 with the highest weighing limit of 300 g and a graduation price of 0.05 g.
- Burette design 1 or 3 with a capacity of 50 cm³.
- Conical flask type Kn in accordance with GOST 25336 version 1 or 2 with a capacity of 250 cm³.
- Volumetric flask according to GOST 1770 version 1 or 2 with a capacity of 250 cm³.
- Pipette version 2 with a capacity of 10 cm³.
- Measuring cylinder according to GOST 1770 version 1 or 3 with a capacity of 25 cm³.
- Thermometer of any type with a measurement range from 0 to 100 ° C.

Reagents used:

- Potassium iodide GOST 4232, chemically pure grade. 10% aqueous solution.
- Sodium sulfate (sodium thiosulfate), 5-water according to TU6-09-2540, 0.1n solution.
- Sulfuric acid in accordance with GOST 4204, 1n. solution.
- Soluble starch in accordance with GOST 10163, 0.5% solution, prepared in accordance with GOST4919.1.
- Distilled water in accordance with GOST 6709 or water of equivalent purity.

Test preparation:

- Preparation of 10% potassium iodide solution.
 - 10 g of potassium iodide is dissolved in 90 ml of freshly prepared and cooled distilled water.
- Preparation of 1N sulfuric acid solution.
 - 27 ml of concentrated sulfuric acid, carefully, in small portions, constantly stirring, add to 750 ml of distilled water, cool and bring the volume in a volumetric flask to 1 liter.

Testing:

Into a conical flask with a ground-in capacity of 250 ml add:

- 10 ml of ANOSAN® solution,
- 5ml of 10% potassium iodide solution
- 50ml 1N. sulfuric acid solution.

The contents of the flask are mixed and placed in a dark place for 5 minutes. The released iodine is titrated with a 0.1N solution of sodium sulfate to a light yellow color, after which 1 ml of a 0.5% starch solution is added and the titration is continued until the blue color disappears.

Processing of results:

The mass fraction of active chlorine X as a percentage is calculated by the formula:

$$X = \frac{(V - V_1) * 0.003546 * 100}{10}$$

where, V is the volume of exactly 0.1 N sodium sulfate solution, consumed for titration of the analyzed ANOSAN® solution, cm³;

V_1 - the volume of exactly 0.1 N sodium sulfate solution used for titration of the control solution, cm^3 ;
 0.003546 - mass of chlorine corresponding to 1 cm^3 exactly 0.1 N sodium sulfate, g;
 100 - conversion factor to percent;
 10 - mass of the analyzed sample of ANOSAN® solution, g.

The arithmetic mean of the results of two parallel determinations is taken as the result of the analysis.

AVAILABLE VOLUMES FOR ANOSAN® 0.04%

- 50 ml
- 100 ml
- 350 l



INGREDIENTS

water 99%, electrochemically activated by ECALIT technology, sodium chloride <1%, sodium hypochlorite in the form of active chlorine 0.04%.



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