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Project

TECHNICAL SPECIFICATION OF A CHEMICAL WARFARE AGENTS' DETECTION PAPER

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1. The paper detector (hereinafter referred to as the detector) is intended to detect groups G, V and H of dispersed chemical warfare agents in a liquid state.
 2. The detection of chemical warfare agents' groups shall be based on the change in color on a paper leaflet following a chemical reaction when droplets of a liquid chemical warfare agent fall on it.
 3. The detector must detect droplets of dispersed liquid chemical warfare agents of G, V and H groups, the volume of which is not less than 0,5 µl.
 4. The paper leaflets of the detector booklet shall turn green when exposed to V group liquid chemical warfare agents, red to H group liquid chemical warfare agents and yellow to G group liquid chemical warfare agents.
 5. The detector shall contain instructions for using the detector, as well as the date of manufacture and expiration.
 6. The paper leaflets of the detector booklet shall be perforated or stapled into a booklet with at least 10 paper sheets.
 7. The paper leaflets of the detector booklet shall be designed to be affixed to a various surfaces (metal, wood, rubber, fabric, plastic, etc.).
 8. The detector shall have a description regarding the G, V and H groups of chemical warfare agents and their respective colors, how the paper leaflets are colored when the corresponding group of agents falls on it.
 9. The detector shall detect the G, V and H groups of chemical warfare agents within no longer than 45 seconds.
 10. The detector shall be suitable for use in an ambient temperature interval not less than from -20 °C to +40 °C.
 11. The paper leaflets of the detector booklet shall be at least 60 × 80 mm.
 12. Each detector shall be individually packed in a waterproof packaging.
 13. There shall be a possibility to unpack the detector paper leaflet booklet from the waterproof packaging without damaging the packaging itself, to tear the paper leaflets from the booklet without damaging an individual leaflet and attach them to various surfaces while wearing individual CBRN protective equipment (e.g. CBRN gloves)
 14. The storage time of the detector in a packaging shall be at least 10 years from the date of delivery.
 15. The detector shall be manufactured in the year of supply.
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