



Certified as a New Firefighting Product

SavingStory protects your precious life.

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SAVING STORY

Fire Evacuation

Life-Saving Mask



소방청

National Fire Agency 

Life doesn't wait.

Preparation starts now.



Website



Performance
Test Videos



Beyond the crisis, we keep you breathing.



Specialized Company in Fire Evacuation Equipment

SAVINGSTORY

SavingStory is a specialized company in fire evacuation safety equipment, officially certified as a Disaster Safety Product by the Ministry of the Interior and Safety of Korea and recognized by the National Fire Agency. The company has also been designated as an Innovative Technology & Management SME (Inno-Biz) by the Ministry of SMEs and Startups. SavingStory applies the **world's first oxygen-generating technology** to fire evacuation masks and towels, enabling users to breathe safely without suffocation from toxic gases even in fire emergencies.

2025

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- 2025.05. Excellent Commercial Product Designation – MND (Life-Saving Towel) Priority Purchase
 - 2025.06. Recommendation – KIPA (Life-Saving Mask)
 - 2025.07. KC Certified – Life-Saving Mask
 - 2025.08. China Patent Registered – Life-Saving Towel

2024

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- 2024.02. U.S. Patent Registered – Oxygen-Generating Life-Saving Towel
 - 2024.02. Japan Patent Registered – Life-Saving Towel
 - 2024.06. Certified Innovative Product – OxyDream Life-Saving Mask
 - 2024.06. High-Altitude Oxygen Mask Launched
 - 2024.08. Inno-Biz Certified Company
 - 2024.12. G-PASS Certified Export Company

2023

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- 2023.12. Certified Disaster Safety Product – OxyDream Life-Saving Mask
 - 2023.12. New Firefighting Product Approved – OxyDream / OxyDream Life-Saving Mask



2022

- 2022.01. ISO 9001 Certified
- 2022.02. Oxygen-Generating Life-Saving Towel Patent Registered
- 2022.03. Q Mark Certified Product
- 2022.06. Patent registration (life-saving towel sheet and its manufacturing method, and life-saving towel including such sheet)
- 2022.07. Disaster Safety Product Certified – Oxygen-Generating Life-Saving Towel
- 2022.09. Innovative Product Certified – Oxygen-Generating Life-Saving Towel
- 2022.11. 2022 Korea Invention Patent Award – Gold Prize

2021

- 2021.05. Incorporated
- 2021.06. In-House R&D Center Established
- 2021.12. Venture-Certified Company

OxyDream Life-Saving Mask

Five Key Differentiators

The OxyDream Life-Saving Mask features five key differentiators and is an innovative product designed to save lives in fire situations at minimal cost.



Equipped with the
World's First
Oxygen Generator



Uses a **5-Layer
Filtering Fabric** for
Harmful Gas Protection



Maximizes filtration
efficiency through
**naturally derived
extracts** (wet-type)



**Twelve perforation
lines** that allow easy
opening from any angle



OxyDream Life-Saving Mask

Safety proven through real fire-scene experiments

15-Minute Safety Test

※ The OxyDream Life-Saving Mask is directly tested in a simulated environment that closely replicates real fire conditions.



Carbon monoxide is generated by combusting an ignition tablet inside the chamber.



Wearing the Life-Saving Mask



Start of the Experiment



Increase in Carbon Dioxide and Decrease in Oxygen



10 Minutes Elapsed



The experiment was terminated after 15 minutes for safety reasons

Experimental Conditions

In a transparent chamber (800 × 650 mm), an actual fire simulation was conducted by burning an ignition tablet (flash tablet), strobe materials, and vinyl to replicate real fire conditions.

Test Method

Inside the transparent chamber equipped with gas detectors and a timer, the tester placed both head and hands inside and directly wore the OxyDream Life-Saving Mask, covering both mouth and nose, and continuously breathed for 15 minutes.

Test Result

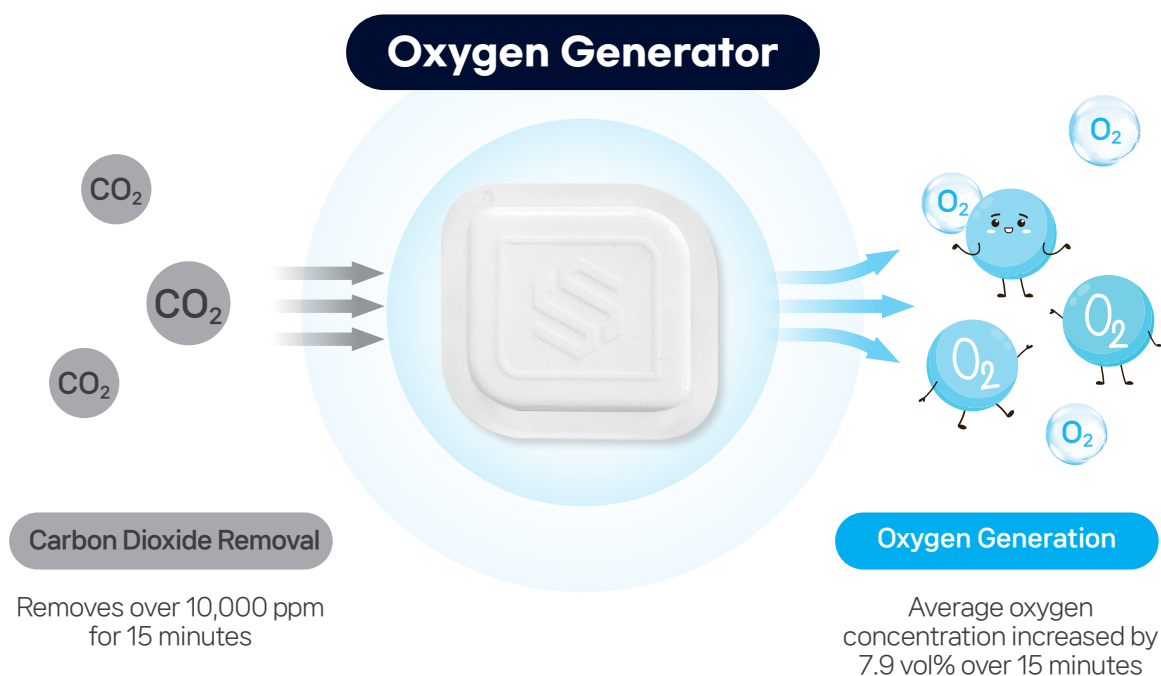
Under the experimental conditions, the tester successfully maintained respiration for **15 minutes** while wearing the **OxyDream Life-Saving Mask**.



Equipped with the World's First Oxygen Generator

OxyDream Life-Saving Mask

The oxygen-generating device developed by SavingStory produces oxygen through an exothermic and continuous chemical reaction between carbon dioxide contained in exhaled breath and moisture. This system prevents respiratory distress caused by the rapid decrease in oxygen concentration at fire scenes in advance, enabling stable breathing and allowing for faster and safer evacuation.



Before Removing the Oxygen Generator Cover



After Removing the Oxygen Generator Cover

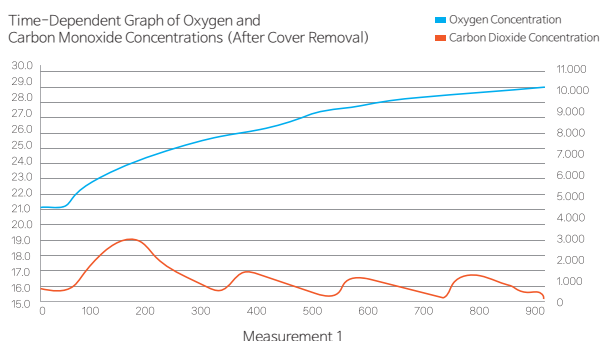


Reduction in Carbon Dioxide Concentration An average 7.9% **increase in oxygen concentration**

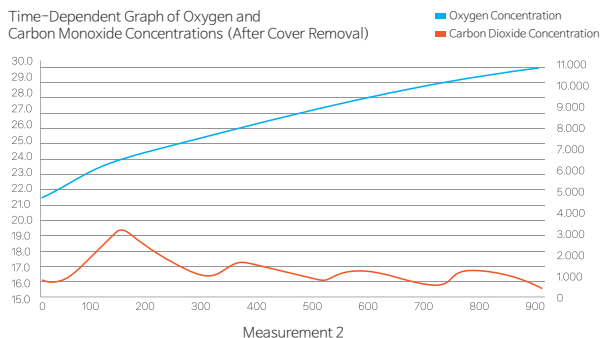
A rapid reduction in carbon dioxide concentration—averaging over 10,000 ppm within 15 minutes—was confirmed, and as the carbon dioxide reacted with the oxygen generator, the oxygen concentration increased by an average of 7.9%.

☒ Time-Series Graph of Oxygen and Carbon Dioxide Concentration Changes

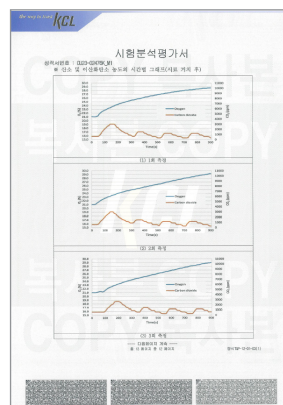
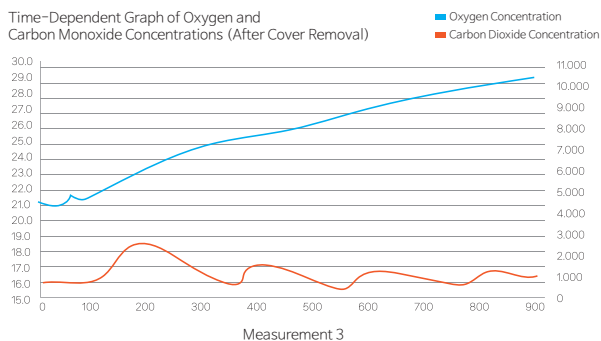
Time-Dependent Graph of Oxygen and Carbon Monoxide Concentrations (After Cover Removal)



Time-Dependent Graph of Oxygen and Carbon Monoxide Concentrations (After Cover Removal)



Time-Dependent Graph of Oxygen and Carbon Monoxide Concentrations (After Cover Removal)



Oxygen Generator Test Analysis and Evaluation Report



OxyDream Life-Saving Mask

Gas Generation and Packaging Safety



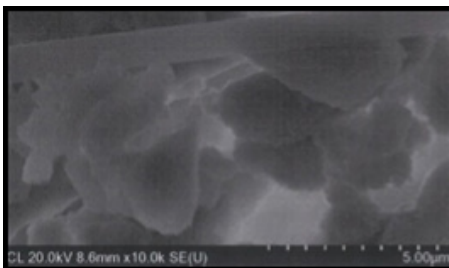
Double Casing

The double-casing structure ensures sealed packaging, preventing any external leakage of the material. After the reaction, the substance transforms into a safe chunk-slurry form, eliminating the risk of spillage.

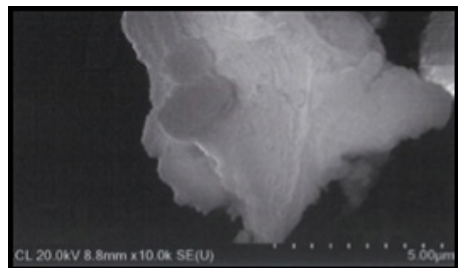


Oxygen-Generating Substance

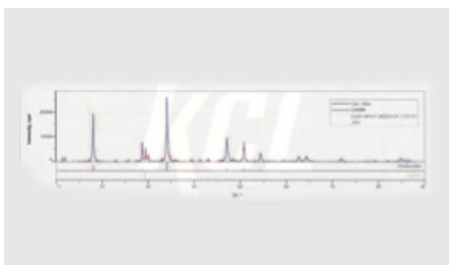
The oxygen produced through the chemical reaction is harmless to the human body, and no other gases harmful to humans are generated.



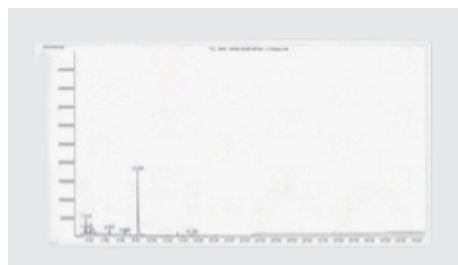
SEM Images of the Powder Pack Packaging Material



SEM Images of the Oxygen-Generating Material Particles



Reaction Product Identification Test (XRD Analysis)



Harmful Gas Analysis Test (TD-GC/MS Measurement)

Korea Conformity Laboratories (KCL) Test Report

Harmful Gas + Fine Particle Blocking

Fabric Testing of the OxyDream Life-Saving Mask

KCL 시험성적서

성적서번호 : CT25-049287K

○ 시험결과

시험항목	단위	시험방법	시험결과			
분진포집효율 제 1법 (중형나노필)	%	(1)	분류	96.7	97.2	97.4
			원차리	97.0	97.1	96.9
			분류	94.0	94.0	93.8
			원차리	93.9	93.3	94.8
분진포집효율 제 2법 (중형나노필)	%	(1)	분류	96.7	97.2	97.4
			원차리	97.0	97.1	96.9
			분류	94.0	94.0	93.8
			원차리	93.9	93.3	94.8

○ 시험사진

<전면부> <옆면부>

그림, 시험사진 사진

중 2회까지 중 2회까지 TOP-12-01-0201

☑ Fine Particle Blocking Test

Test Items	Test Results
Sodium Chloride	98.9%
	99.5%
	99.6%
Paraffin Oil	98.0%
	99.4%
	99.0%

→ Average particle sizes 0.6 μ m(sodium chloride) and 0.4 μ m(paraffin oil) **More than 99% blocked**

☑ Harmful Gas Toxicity Test

Test Items	Test Results	
	1 time	2 time
Average Immobilization Time of Test White Rats	12 min 7 sec	12 min 14 sec

→ When the fabric is heated after fluorine-based flame-retardant treatment, the average immobilization time of the test white rats is 12 minutes 10 seconds.

Blocks 99% of Harmful Substances



For Harmful Gas Protection

Uses a 5-Layer Filtering Fabric

The OxyDream Life-Saving Mask uses an 5-layer composite filtering fabric designed to block harmful gases. In particular, the eco-friendly fabric commonly used in baby products minimizes skin irritation. The catalyst-based filtering material effectively neutralizes harmful gases and supports stable breathing by preventing the inhalation of toxic fumes. Additionally, the KF94-grade certified fabric further enhances safety by filtering fine dust and ultrafine particles.

- 1 5** Rayon 40 g/sqm
- 2 4** Black PP Activated Carbon Fabric, 28 g/m²
- 3** KF94 Melt-Blown (MB) Filter

Maximized Filtration Efficiency Using Naturally Derived Extracts

The OxyDream Life-Saving Mask utilizes 12 naturally derived ingredients—such as aroma and herbal extracts—that are safe and harmless to the human body. These components enhance filtration performance while minimizing the inhalation of harmful gases.

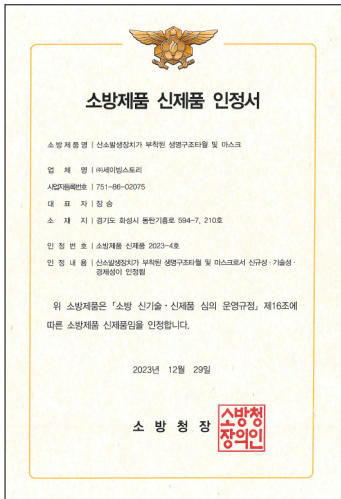
 Peppermint Supports mental stability and respiratory health	 Green Tea Supports respiratory stability and helps reduce stress	 Lavender Supports mental calmness and relaxation	 TeaTree Provides antibacterial benefits and helps relieve respiratory symptoms
 Rosemary Helps relieve anxiety and reduce stress	 Balloon Flower (Doraji) Helps prevent respiratory conditions	 Cinnamon Bark (Cheonmundong) Provides antibacterial and antioxidant benefits	 Mint (Hyanggae) Helps soothe irritation from fine dust and supports respiratory improvement
 Lime Aids in reducing respiratory infections and easing congestion	 Pine Promotes respiratory comfort and stability	 Ginger (Heuksam) Helps improve respiratory health	 Perilla Leaf Extract (Sambaeckcho) Helps reduce allergic reactions and improve respiratory conditions

OxyDream Life-Saving Mask Fabric Test

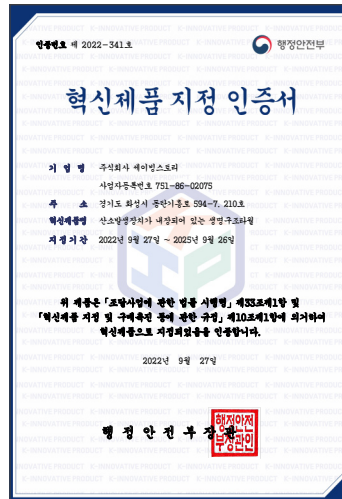
The measured results are based on an average particle size of 0.4 μm to 0.6 μm applied in the test. The particle sizes used in the test range from 0.02 μm to 2 μm.



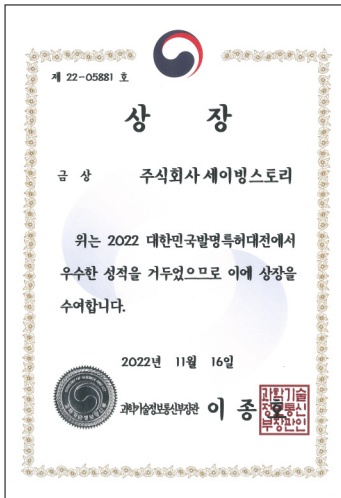
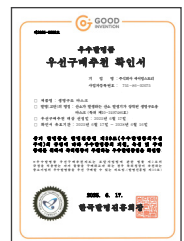
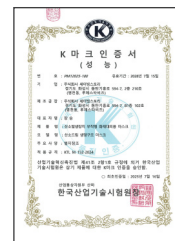
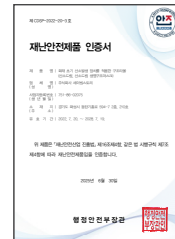
Certificate



Certificate of Recognition for New Firefighting Product



Certificate of Designation for Innovative Product



2022 Korea Invention Patent Exhibition - Minister of Science and ICT Award (Gold Prize)



2024 Korea Invention Patent Exhibition - Minister of Science and ICT Award (Gold Prize)

