



Łukasiewicz
Institute
of Aviation



HTP is used
in the field of rocket propulsion
as a single-component propellant,
and rocket oxidizer

**HYDROGEN
PEROXIDE
(98% HTP)**

CHARACTERISTICS

In 2011, scientists and engineers of the Łukasiewicz - Institute of Aviation have developed technology to produce hydrogen peroxide with a concentration of more than 98%. Concentration achievable up to 99.99%.The institute holds several patents on the technology and has secured the solution in more than 20 countries around the world.



TECHNICAL INFORMATION

Parameter	Value
Chemical formula	H ₂ O ₂
Form	transparent fluid
Odor	barely perceptible, slightly irritating
Active oxygen content	46%
Boiling point at 760 mm Hg	149°C
Solidification temperature	-3°C
Density at 25°C	1,431 g/cm ³
Flash point	breakdown above 75°C

BENEFITS

- Environmentally friendly.
- Patented.
- Efficient.
- Safe.



The Łukasiewicz Research Network - Institute of Aviation

offers a wide range of specialized research, engineering services and products. We provide comprehensive solutions, ranging from dedicated analyzes, simulations, engineering design, through the selection, testing and certification of materials and structures, to rapid prototyping and additive manufacturing.

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