

SAFETY REPORT

CASPR utilizes a combination of our proprietary coating and high intensity cold plasma bulb as [Natural Catalytic Converter \(NCC Cell\)](#) to generate a huge amount of energy. The creation of this energy is enough to generate stable and measurable amounts of H₂O₂. Unlike older forms of PCO that have shown to produce dangerous levels of byproducts such as formaldehyde and ozone, CASPR units are designed to stay on continuously and require no internal or external sensors to monitor the output of the oxidizing molecules produced by the units.

Electrical Safety

CASPR units have been tested and certified to:

UL 1995 without a fan

UL 507 with a fan

Ozone

Ozone (O₃) is a natural occurring gas that is linked to respiratory damage that increases with frequency and duration of exposure. [Write more here.](#)

CASPR units have been tested and certified to:

UL 867 Sect. 40 <.05 ppm

UL 2998 <.005 ppm

Hydrogen Peroxide

The CASPR technology generates an extremely low level of gaseous hydrogen peroxide, H₂O₂.

.01-.04 ppm

The OSHA and NIOSH standard for safe use in occupied spaces is 1 ppm (parts per million) of H₂O₂ in the air per 8 hours.

CARB

CASPR units have been tested and certified to the California's Air Resource Board for electrical safety and ozone emissions.

Formaldehyde

The CASPR technology has been tested to prove that it does not produce formaldehyde or any other byproducts.

EPA

Manufactured in an EPA-registered facility (96310-TX-1) and in accordance with EPA guidance regarding air cleaning devices.²⁵

ISO

Manufactured under:

ISO 9001

ISO 13485