

## Disinfecting & Sanitizing Efficacy

Force of Nature is an EPA registered Hospital disinfectant that kills 99.9% of viruses and bacteria, including Norovirus, Salmonella, Influenza A, Staph, MRSA, Listeria & Pseudomonas Aeruginosa. The EPA has registered Force of Nature for disinfecting and sanitizing hospitals, intensive care units, veterinary hospitals, daycares, schools and more. The EPA registration number is 93040-1.

The EPA registers 3 types of disinfectants based on their pathogen-killing efficacy: Limited, Broad-Spectrum, and Hospital. Force of Nature is EPA registered as a Hospital disinfectant. Limited disinfectants are effective against only a specific major group of microorganisms (such as gram-positive or gram-negative bacteria). Broad-spectrum disinfectants are effective against both gram-positive and gram-negative bacteria. Hospital disinfectants are broad-spectrum disinfectants that are also effective against the nosocomial bacterial pathogen Pseudomonas aeruginosa.

## SARS-CoV-2, Coronavirus, Delta Variant, Covid-19

Force of Nature is on the disinfectants approved for use against SARS-CoV-2, the cause of COVID-19. Force of Nature has demonstrated effectiveness against viruses harder to kill than SARS-CoV-2 on hard, non-porous surfaces. Therefore, Force of Nature can be used against SARS-CoV-2 when used in accordance with the directions for use against Norovirus on hard non-porous surfaces. [EPA expects all products on List N to kill all variants of SARS-CoV-2. Genetic changes to the virus do not impact the efficacy of disinfectants.](#) See [EPA Emerging Pathogen Policy information.](#)

## EPA Registration Process

To receive federal EPA registration, the product is tested using extremely rigorous EPA required testing protocols across multiple batches of product. Suppliers, purity, concentration & processing of all individual ingredients must be approved, with strict statistical limits on all. The product also goes through rigorous safety reviews. EPA state registration information here.

### Organisms:

#### Disinfection Organisms

Salmonella enterica (Salmonella), Staphylococcus aureus (Staph), Methicillin Resistant Staphylococcus aureus (MRSA), Pseudomonas aeruginosa (Pseudomonas), Listeria monocytogenes (Listeria), Feline Calicivirus surrogate for Norovirus, Strain F-9, Influenza A virus

#### Sanitization Organisms

Salmonella enterica subspecies enterica serovar Typhi

#### \*Qualified Germs List

Kills Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella enterica, Listeria monocytogenes, Methicillin Resistant Staphylococcus aureus – MRSA and Influenza A Virus, Strain A/Hong Kong/8/68, Feline Calicivirus surrogate for Norovirus, Strain F9

#### \*\*Qualified Viruses List

Influenza A Virus Strain A/Hong Kong/8/68, Feline Calicivirus Strain F9 surrogate for Norovirus

Force of Nature also meets surface disinfection requirements for OSHA's Bloodborne Pathogens Standards.

Force of Nature’s cleaning and deodorizing efficacy was tested in an independent, 3rd party laboratory, TURI (Toxic Use Reduction Institute, the University of Massachusetts).

**Results:**

**Cleaning Efficacy**

Conclusion: Force of Nature is highly effective on a variety of soil types, despite using no harmful chemicals.

% Soil Removed	Force of Nature	Scrubbing Bubbles	Lysol Power Bath Cleaner
Soap Scum Soil	89.55%	73.50%	89.36%

% Soil Removed	Force of Nature	Formula 409 All Purpose	Clorox Clean-up Cleaner & Bleach
Light Oil Soil	95.34%	81.26%	96.66%
Greasy Soil	96.35%	93.94%	92.76%

% Soil Removed	Force of Nature	Windex
Glass Cleaning Soil	95.95%	94.06%

Laboratory Source: Turi Testing Reports, October / November 2013

**Deodorizing Efficacy**

Conclusion: Force of Nature is a highly effective deodorizer, despite having no harmful chemicals.

**Malodor Remaining After Application of Deodorizer**

Force of Nature	Formula 409	Febreze
No Remaining Malodor	Medium / Strong Remaining Malodor	Medium Remaining Malodor

Laboratory Source: Turi Testing Reports, October/November 2013. Test was odor from spoiled milk in a carton after 3 days.

**Carpet Cleaning Efficacy**

Conclusion: Force of Nature is highly effective in carpet cleaning, despite having no harmful chemicals.

Cleaning Efficacy	Force of Nature
Food Stains	Parity To Resolve Carpet Cleaner
Pet Accidents & Odors	Parity To Resolve Carpet Cleaner
Ground-in Dirt	Parity To Resolve Carpet Cleaner

We suggest 1st testing rugs & carpets in an inconspicuous spot to confirm colorfastness.

Laboratory Source: [Turi Testing Reports, October 2016](#). Industry Standard Spectrometry Test Results.