

# INSTANT HAND SANITIZER

germstar® NORO

## INGREDIENTS

**Active Ingredients:**  
Ethanol 63% (w/w)

**Ingredient function:**  
killing agent

**Also contains:**  
Water solvent  
Isopropanol denature  
Emollient Complex lubricant  
Fragrance flavor

## PHYSICAL CHARACTERISTICS

**Odor:** alcohol odor  
**Fragrance:** spearmint  
**Appearance:** colorless  
**Viscosity:** liquid rinse

## IRRITANCY & ALLERGY INFORMATION

**ALLERGY INFO:** No allergy reactions were reported

**IRRITANCY INFO:** May be irritating if contact with eyes or if inhaled

## CERTIFICATES

Certificate:	Test:	Killing Performance:	Ref:
MURINE NOROVIRUS TYPE 1	passed	20 sec	I)

I) Centre for Research on Environmental Microbiology (CREM)  
Faculty of Medicine, University of Ottawa  
451 Smyth Rd., Ottawa, Ontario, Canada K1H 8M5

## EFFICACY DATA (EU)

Microorganism:	Test:	% Reduction: / killing time	Ref:
Escherichia coli	EN1500	>99.999 / 30 sec	A)
Feline calicivirus (FCV = surrogate of norovirus)	EN 14476	passed	B)
Bactericidal Performance	EN 1276	passed	C)
Bactericidal Performance	EN 1040	passed	C)
Fungicidal Performance	EN 1275	passed	C)
Fungicidal Performance	EN 1650	passed	C)

A) Department of Disinfection, Budapest, Hungary, EUROPE

B) Dr. J. Steinmann, MikroLab GmbH, Norderoog 2, 28259 Bremen, Germany, EUROPE

C) SGS INSTITUT FRESENIUS, 65220 Taunusstein, Germany, EUROPE

## EFFICACY DATA (USA)

Microorganism:	Details:	% Reduction:	Ref:
Aspergillus niger	ATCC 16404	>99.999	4)
Candida albicans	ATCC 10231	>99.999	4)
Enterococcus hirae	ATCC 10541	>99.999	4)
Escherichia coli	ATCC 10536	>99.999	4)
Escherichia coli	ATCC 10538	>99.999	4)
Pseudomonas aeruginosa	ATCC 15442	>99.999	4)
Staphylococcus aureus	ATCC 6538	>99.999	4)
Staphylococcus pneumoniae	n/a	>99.999	
Salmonella enteritidis	n/a	>99.999	
Influenza A2 virus	n/a	>99.999	
Herpes Simplex typ I virus	n/a	>99.999	
Rhino type II virus	n/a	>99.999	
H1N1	MDCK cells	>99.76 /30 sec	5)
HIV	n/a	>99.999	
Feline Calicivirus	n/a	>99.999	
SARS	n/a	>99.999	
Hepatitis A, B, & C	n/a	>99.999	
MRSA	n/a	>99.999	

4) SGS INSTITUT FRESENIUS, 65220 Taunusstein, Germany, EUROPE

5) Sagar M. Goyal, Professor of Virology, Department of Veterinary Population Medicine, University of Minnesota, 1333 Gortner Ave, Saint Paul, MN 55108, USA

## BIOBASED CONTENT ANALYSIS\*

**Biobased Content:** 87%  
**Fossil Content:** 13%

\* Beta Analytic Inc., 4985 SW 74 Court, Miami, Florida 33155, USA

## MANUFACTURE INFORMATION

Soaptronic LLC  
20562 Crescent Bay Dr  
Lake Forest, CA 92630, USA

