

Hand Disinfectant Gel with Isopropanol 100% (V/V)

gako unguator PRO



Formulation

Purified Water	36,4 %
Glycerol	3,0 %
Xanthan gum	0,3 %
Isopropanol 100% (V/V)	60,0 %
Lavender oil	0,3 %

Please keep the general information on working with Unguator technology in mind.

Stirrer Type

gako unguator disposable Blade up to 200 ml, from 300 ml gako unguator standard mixing blade

Compounding

Gel

Prepare the gako unguator jar, equip it with the corresponding stirrer and tared it. Add the purified water, glycerol, isopropanol and lavender oil to the jar. Then weigh the xanthan gum onto the top.

Slightly screw the lid with the stirrer onto the jar, then gently push the bottom up until a resistance and close the jar tight.

Settings:

Program Gel

Check the finished compound organoleptically for its quality before dispensing.

Weighing in

	20 ml	30 ml	50 ml	100 ml	200 ml	300 ml	500 ml	1000 ml	2000 ml
Purified Water	7,28	10,92	18,2	36,4	72,8	109,2	182,0	364,0	728,0
Glycerol	0,6	0,9	1,5	3,0	6,0	9,0	15,0	30,0	60,0
Xanthan gum	0,06	0,09	0,15	0,3	0,6	0,9	1,5	3,0	6,0
Isopropanol 100 %	12,0	18,0	30,0	60,0	120,0	180,0	300,0	600,0	1200,00
Lavender oil	0,06	0,09	0,15	0,3	0,6	0,9	1,5	3,0	6,0

Specialities

Use an appropriate gako unguator varionozzle to adapt to the viscosity of the gel for optimizing dispensing.

Source

Institute of Personal Care Science - <https://personalcarescience.com.au>

Attention: Different mixing parameters may apply to other gako unguator jar sizes and formulation. This carefully prepared mixing recommendation may contain errors and does not replace the pharmaceutical competence of the compounding pharmacy staff.

Hand Disinfectant Gel with Isopropanol 100% (V/V)

Unguator 2100



Formulation

Purified Water	36,4 %
Glycerol	3,0 %
Xanthan gum	0,3 %
Isopropanol 100% (V/V)	60,0 %
Lavender oil	0,3 %

Please keep the general information on working with Unguator technology in mind.

Stirrer Type

gako unguator disposable Blade up to 200 ml, from 300 ml gako unguator standard mixing blade

Compounding

Gel

Prepare the gako unguator jar, equip it with the corresponding stirrer and tared it. Ad the purified water, glycerol, isopropanol and lavender oil to the jar. Then weight the xanthan gum onto the top.

Slightly screw the lid with the stirrer onto the jar, then gently push the bottom up until a resistance and close the jar tight.

Settings:

Program Gel

Check the finished compound organoleptically for its quality before dispensing.

Weighing in

	20 ml	30 ml	50 ml	100 ml	200 ml	300 ml	500 ml	1000 ml
Purified Water	7,28	10,92	18,2	36,4	72,8	109,2	182,0	364,0
Glycerol	0,6	0,9	1,5	3,0	6,0	9,0	15,0	30,0
Xanthan gum	0,06	0,09	0,15	0,3	0,6	0,9	1,5	3,0
Isopropanol 100 %	12,0	18,0	30,0	60,0	120,0	180,0	300,0	600,0
Lavender oil	0,06	0,09	0,15	0,3	0,6	0,9	1,5	3,0

Specialities

Use an appropriate gako unguator varionozzle to adapt to the viscosity of the gel for optimizing dispensing.

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Hand Disinfectant Gel with Isopropanol 100% (V/V)

Unguator QMS



Formulation

Purified Water	36,4 %
Glycerol	3,0 %
Xanthan gum	0,3 %
Isopropanol 100% (V/V)	60.0 %
Lavender oil	0,3 %

Please keep the general information on working with Unguator technology in mind.

Stirrer Type

gako unguator disposable Blade up to 200 ml, from 300 ml gako unguator standard mixing blade

Compounding

Gel

Prepare the gako unguator jar, equip it with the corresponding stirrer and tared it. Ad the purified water, glycerol, isopropanol and lavender oil to the jar. Then weight the xanthan gum onto the top.

Slightly screw the lid with the stirrer onto the jar, then gently push the bottom up until a resistance and close the jar tight.

Settings:

Program Gel

Check the finished compound organoleptically for its quality before dispensing.

Weighing in

	20 ml	30 ml	50 ml	100 ml	200 ml	300 ml	500 ml
Purified Water	7,28	10,92	18,2	36,4	72,8	109,2	182,0
Glycerol	0,6	0,9	1,5	3,0	6,0	9,0	15,0
Xanthan gum	0,06	0,09	0,15	0,3	0,6	0,9	1,5
Isopropanol 100 %	12,0	18,0	30,0	60,0	120,0	180,0	300,0
Lavender oil	0,06	0,09	0,15	0,3	0,6	0,9	1,5

Specialities

Use an appropriate gako unguator varionozzle to adapt to the viscosity of the gel for optimizing dispensing.

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Hand Disinfectant Gel with Isopropanol 100% (V/V)

gako unguator EMP



Formulation

Purified Water	36,4 %
Glycerol	3,0 %
Xanthan gum	0,3 %
Isopropanol 100% (V/V)	60.0 %
Lavender oil	0,3 %

Please keep the general information on working with Unguator technology in mind.

Stirrer Type

gako unguator disposable Blade up to 200 ml, from 300 ml gako unguator standard mixing blade

Compounding

Gel

Prepare the gako unguator jar, equip it with the corresponding stirrer and tared it. Ad the purified water, glycerol, isopropanol and lavender oil to the jar. Then weight the xanthan gum onto the top.

Slightly screw the lid with the stirrer onto the jar, then gently push the bottom up until a resistance and close the jar tight.

Mixing Parameters:

Step 1 - Moistening

	Level 8 (2150 rpm)			Level 7 (1900 rpm)
Jar Size	15 - 30 ml	50 - 100 ml	200 ml	300 - 500 ml
Time (min.)	0:30	0:30	0:30	1:00
Stirrer	disp.Blade	disp. Blade	disp. Blade	SMB

Step 2 - Swelling Phase

	Level 1 (600 rpm)			
Jar Size	15 - 30 ml	50 - 100 ml	200 ml	300 - 500 ml
Time (min.)	8:30	9:30	10:00	10:00
Stirrer	disp. Blade	disp. Blade	disp. Blade	SMB

Alternate the mixing steps at least twice or until a homogeneous gel structure is reached.

Check the finished compound organoleptically for its quality before dispensing.

Weighing in

	20 ml	30 ml	50 ml	100 ml	200 ml	300 ml	500 ml
Purified Water	7,28	10,92	18,2	36,4	72,8	109,2	182,0
Glycerol	0,6	0,9	1,5	3,0	6,0	9,0	15,0
Xanthan gum	0,06	0,09	0,15	0,3	0,6	0,9	1,5
Isopropanol 100 %	12,0	18,0	30,0	60,0	120,0	180,0	300,0
Lavender oil	0,06	0,09	0,15	0,3	0,6	0,9	1,5

Specialities

Use an appropriate gako unguator varionozzle to adapt to the viscosity of the gel for optimizing dispensing.

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Hand Disinfectant Gel with Isopropanol 100% (V/V)



Unguator e/s

Formulation

Purified Water	36,4 %
Glycerol	3,0 %
Xanthan gum	0,3 %
Isopropanol 100% (V/V)	60.0 %
Lavender oil	0,3 %

Please keep the general information on working with Unguator technology in mind.

Stirrer Type

gako unguator disposable Blade up to 200 ml, from 300 ml gako unguator standard mixing blade

Compounding

Gel

Prepare the gako unguator jar, equip it with the corresponding stirrer and tared it. Ad the purified water, glycerol, isopropanol and lavender oil to the jar. Then weight the xanthan gum onto the top.

Slightly screw the lid with the stirrer onto the jar, then gently push the bottom up until a resistance and close the jar tight.

Mixing Parameters:

Step 1 - Moistening

Level 9 (2100 rpm)				
Jar Size	15 - 30 ml	50 - 100 ml	200 ml	300 - 500 ml
Time (min.)	0:30	0:30	0:30	1:00
Stirrer	disp. Blade	disp. Blade	disp. Blade	SMB

Step 2 - Swelling Phase

Level 0 (650 rpm)				
Jar Size	15 - 30 ml	50 - 100 ml	200 ml	300 - 500 ml
Time (min.)	8:30	9:30	9:55	9:55
Stirrer	disp. Blade	disp. Blade	disp. Blade	SMB

Alternate the mixing steps at least twice or until a homogeneous gel structure is reached.

Check the finished compound organoleptically for its quality before dispensing.

Weighing in

	20 ml	30 ml	50 ml	100 ml	200 ml	300 ml	500 ml
Purified Water	7,28	10,92	18,2	36,4	72,8	109,2	182,0
Glycerol	0,6	0,9	1,5	3,0	6,0	9,0	15,0
Xanthan gum	0,06	0,09	0,15	0,3	0,6	0,9	1,5
Isopropanol 100 %	12,0	18,0	30,0	60,0	120,0	180,0	300,0
Lavender oil	0,06	0,09	0,15	0,3	0,6	0,9	1,5

Specialities

Use an appropriate gako unguator varionozzle to adapt to the viscosity of the gel for optimizing dispensing.

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Hand Disinfectant Gel with Isopropanol 100% (V/V)

gako unguator BASIC



Formulation

Purified Water	36,4 %
Glycerol	3,0 %
Xanthan gum	0,3 %
Isopropanol 100% (V/V)	60.0 %
Lavender oil	0,3 %

Please keep the general information on working with Unguator technology in mind.

Stirrer Type

gako unguator disposable Blade up to 200 ml, from 300 ml gako unguator standard mixing blade

Compounding

Gel

Prepare the gako unguator jar, equip it with the corresponding stirrer and tared it. Ad the purified water, glycerol, isopropanol and lavender oil to the jar. Then weight the xanthan gum onto the top. Slightly screw the lid with the stirrer onto the jar, then gently push the bottom up until a resistance and close the jar tight. Guide the jar evenly from top to bottom during the mixing process. The stroke should be approx. 1-2 seconds long.

Mixing Parameters:

Step 1 - Moistening

	Level 8 (2150 rpm)			Level 7 (1900 rpm)
Jar Size	15 - 30 ml	50 - 100 ml	200 ml	300 - 500 ml
Time (min.)	0:30	0:30	0:30	1:00
Stirrer	disp.Blade	disp. Blade	disp. Blade	SMB

Step 2 - Swelling Phase

	Level 1 (600 rpm)			
Jar Size	15 - 30 ml	50 - 100 ml	200 ml	300 - 500 ml
Time (min.)	8:30	9:30	10:00	10:00
Stirrer	disp. Blade	disp. Blade	disp. Blade	SMB

Alternate the mixing steps at least twice or until a homogeneous gel structure is reached.

Check the finished compound organoleptically for its quality before dispensing.

Weighing in

	20 ml	30 ml	50 ml	100 ml	200 ml	300 ml	500 ml
Purified Water	7,28	10,92	18,2	36,4	72,8	109,2	182,0
Glycerol	0,6	0,9	1,5	3,0	6,0	9,0	15,0
Xanthan gum	0,06	0,09	0,15	0,3	0,6	0,9	1,5
Isopropanol 100 %	12,0	18,0	30,0	60,0	120,0	180,0	300,0
Lavender oil	0,06	0,09	0,15	0,3	0,6	0,9	1,5

Specialities

Use an appropriate gako unguator varionozzle to adapt to the viscosity of the gel for optimizing dispensing.

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Hand Disinfectant Gel with Isopropanol 100% (V/V)



Unguator B/R

Formulation

Purified Water	36,4 %
Glycerol	3,0 %
Xanthan gum	0,3 %
Isopropanol 100% (V/V)	60.0 %
Lavender oil	0,3 %

Please keep the general information on working with Unguator technology in mind.

Stirrer Type

gako unguator disposable Blade

Compounding

Gel

Prepare the gako unguator jar, equip it with the corresponding stirrer and tared it. Ad the purified water, glycerol, isopropanol and lavender oil to the jar. Then weight the xanthan gum onto the top. Slightly screw the lid with the stirrer onto the jar, then gently push the bottom up until a resistance and close the jar tight. Guide the jar evenly from top to bottom during the mixing process. The stroke should be approx. 1-2 seconds long.

Mixing Parameters:

Step 1 - Moistening

Level 8 (2150 rpm)			
Jar Size	15 - 30 ml	50 - 100 ml	200 ml
Time (min.)	0:30	0:30	0:30
Stirrer	disp. Blade	disp. Blade	disp. Blade

Step 2 - Swelling Phase

Level 1 (600 rpm)			
Jar Size	15 - 30 ml	50 - 100 ml	200 ml
Time (min.)	8:30	9:30	10:00
Stirrer	disp. Blade	disp. Blade	disp. Blade

Alternate the mixing steps at least twice or until a homogeneous gel structure is reached.

Check the finished compound organoleptically for its quality before dispensing.

Weighing in

	20 ml	30 ml	50 ml	100 ml	200 ml
Purified Water	7,28	10,92	18,2	36,4	72,8
Glycerol	0,6	0,9	1,5	3,0	6,0
Xanthan gum	0,06	0,09	0,15	0,3	0,6
Isopropanol 100 %	12,0	18,0	30,0	60,0	120,0
Lavender oil	0,06	0,09	0,15	0,3	0,6

Specialities

Use an appropriate gako unguator varionozzle to adapt to the viscosity of the gel for optimizing dispensing.

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