

Hand Disinfectant Gel with Ethanol 96 % (V/V)

gako unguator PRO



Formulation

| | |
|-------------------|--------|
| Purified Water | 32,4 % |
| Glycerol | 3,0 % |
| Xanthan gum | 0,3 % |
| Ethanol 96% (V/V) | 64,0 % |
| 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, ethanol 96% 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 | 2000 ml |
|----------------|-------|-------|-------|--------|--------|--------|--------|---------|---------|
| Purified Water | 6,48 | 9,72 | 16,2 | 32,4 | 64,8 | 97,2 | 162,0 | 324,0 | 648,0 |
| 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 |
| Ethanol 96 % | 12,8 | 19,2 | 32,0 | 64,0 | 128,0 | 192,0 | 320,0 | 640,0 | 1280,0 |
| 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 Ethanol 96 % (V/V)

Unguator 2100



Formulation

| | |
|-------------------|--------|
| Purified Water | 32,4 % |
| Glycerol | 3,0 % |
| Xanthan gum | 0,3 % |
| Ethanol 96% (V/V) | 64,0 % |
| 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, ethanol 96% 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 | 6,48 | 9,72 | 16,2 | 32,4 | 64,8 | 97,2 | 162,0 | 324,0 |
| 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 |
| Ethanol 96 % | 12,8 | 19,2 | 32,0 | 64,0 | 128,0 | 192,0 | 320,0 | 640,0 |
| 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.

Source

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Hand Disinfectant Gel with Ethanol 96 % (V/V)

Unguator QMS



Formulation

| | |
|-------------------|--------|
| Purified Water | 32,4 % |
| Glycerol | 3,0 % |
| Xanthan gum | 0,3 % |
| Ethanol 96% (V/V) | 64,0 % |
| 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, ethanol 96% 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 | 6,48 | 9,72 | 16,2 | 32,4 | 64,8 | 97,2 | 162,0 |
| 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 |
| Ethanol 96 % | 12,8 | 19,2 | 32,0 | 64,0 | 128,0 | 192,0 | 320,0 |
| 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.

Source

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Hand Disinfectant Gel with Ethanol 96 % (V/V)

gako unguator EMP



Formulation

| | |
|-------------------|--------|
| Purified Water | 32,4 % |
| Glycerol | 3,0 % |
| Xanthan gum | 0,3 % |
| Ethanol 96% (V/V) | 64,0 % |
| 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, ethanol 96% 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 | 6,48 | 9,72 | 16,2 | 32,4 | 64,8 | 97,2 | 162,0 |
| 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 |
| Ethanol 96 % | 12,8 | 19,2 | 32,0 | 64,0 | 128,0 | 192,0 | 320,0 |
| 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.

Source

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Hand Disinfectant Gel with Ethanol 96 % (V/V)



Unguator e/s

Formulation

| | |
|-------------------|--------|
| Purified Water | 32,4 % |
| Glycerol | 3,0 % |
| Xanthan gum | 0,3 % |
| Ethanol 96% (V/V) | 64,0 % |
| 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, ethanol 96% 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 | 6,48 | 9,72 | 16,2 | 32,4 | 64,8 | 97,2 | 162,0 |
| 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 |
| Ethanol 96 % | 12,8 | 19,2 | 32,0 | 64,0 | 128,0 | 192,0 | 320,0 |
| 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.

Source

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Hand Disinfectant Gel with Ethanol 96 % (V/V)

gako unguator BASIC



Formulation

| | |
|-------------------|--------|
| Purified Water | 32,4 % |
| Glycerol | 3,0 % |
| Xanthan gum | 0,3 % |
| Ethanol 96% (V/V) | 64,0 % |
| 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, ethanol 96% 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 | 6,48 | 9,72 | 16,2 | 32,4 | 64,8 | 97,2 | 162,0 |
| 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 |
| Ethanol 96 % | 12,8 | 19,2 | 32,0 | 64,0 | 128,0 | 192,0 | 320,0 |
| Lavender oil | 0,06 | 0,09 | 0,15 | 0,3 | 0,6 | 0,9 | 1,5 |

Specialities

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Hand Disinfectant Gel with Ethanol 96 % (V/V)

Unguator B/R



Formulation

| | |
|-------------------|--------|
| Purified Water | 32,4 % |
| Glycerol | 3,0 % |
| Xanthan gum | 0,3 % |
| Ethanol 96% (V/V) | 64,0 % |
| 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, ethanol 96% 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 | 6,48 | 9,72 | 16,2 | 32,4 | 64,8 |
| Glycerol | 0,6 | 0,9 | 1,5 | 3,0 | 6,0 |
| Xanthan gum | 0,06 | 0,09 | 0,15 | 0,3 | 0,6 |
| Ethanol 96 % | 12,8 | 19,2 | 32,0 | 64,0 | 128,0 |
| 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.

Source

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