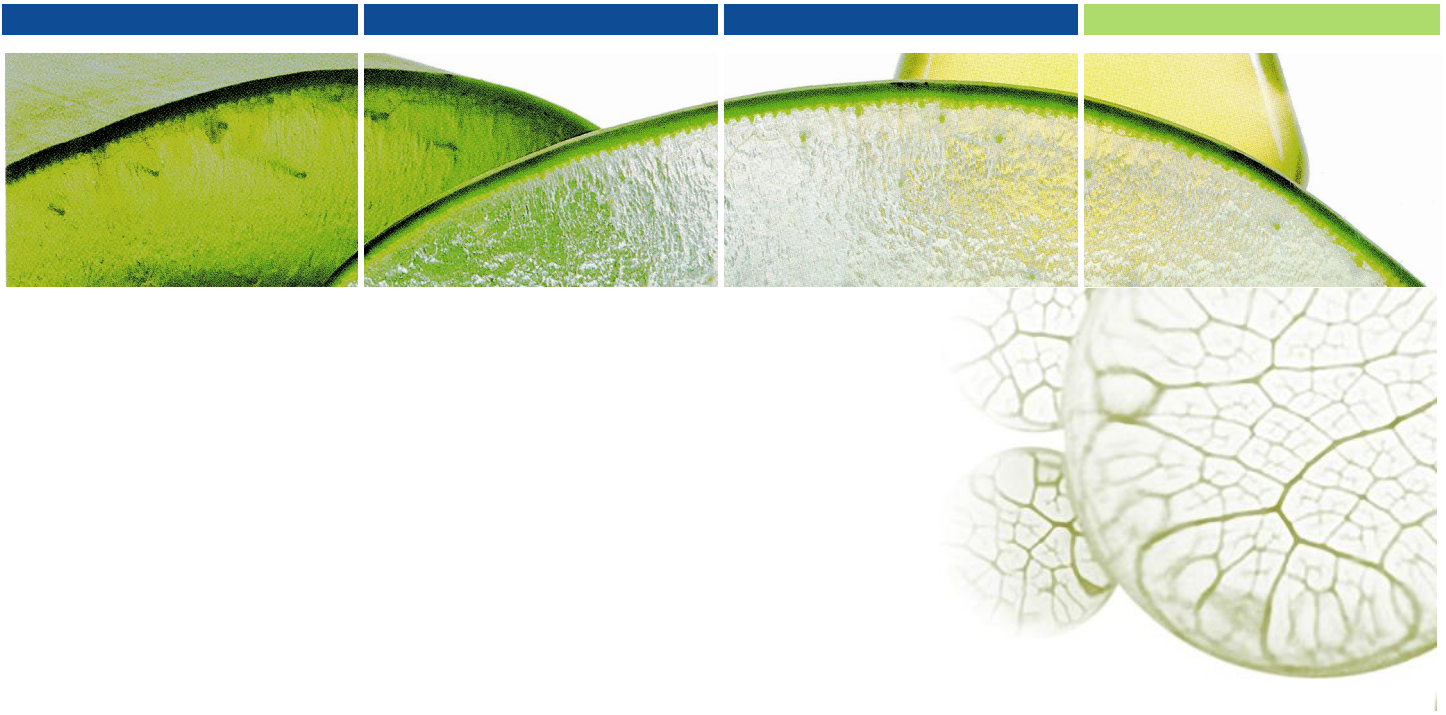




Aloe Vera

Product Overview



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1 Aloe Vera Gel: Liquids

Product description	AG002 Aloe Vera Gel	AG003 Aloe Vera Gel	AG011 Aloe Vera Gel	AG011P Aloe Vera Gel
Version	Decolorized	Regular	Regular	Regular
From concentrate	Yes	Yes	Yes	Yes
Concentration	1x	1x	10x	10x
% Aloe Vera Gel	100	100	100	100
Solid matter content of Aloe Vera Gel (fillet)	Min. 0.5%	Min. 0.5%	Min. 4.6%	Min. 4.6%
Aloin content as 1x	<0.1ppm	<0.1ppm	<0.1ppm	<0.1ppm
Preservatives (INCI)				
Potassium Sorbate	0.10%	0.10%	0.10%	0.10%
Sodium Benzoate	0.05%	0.10%	0.10%	0.10%
Citric Acid to pH 3.5-5.0	adjusted	adjusted	adjusted	adjusted
Certified by I.A.S.C.	Yes	Yes	Yes	No

2 Aloe Vera Gel: Liquids

AG014 Aloe Vera Gel	AG014P Aloe Vera Gel	AG045 Aloe Vera Gel	AG046 Aloe Vera Gel	Product description
Decolorized	Decolorized	Decolorized	Regular	Version
Yes	Yes	Yes	Yes	From concentrate
10x	10x	40x	40x	Concentration
100	100	100	100	% Aloe Vera Gel
Min. 4.6%	Min. 4.6%	Min. 18.4%	Min. 18.4%	Solid matter content of Aloe Vera Gel (fillet)
<0.1ppm	<0.1ppm	<0.1ppm	<0.1ppm	Aloin content as 1x
0.10%	0.10%	0.10%	0.10%	Preservatives (INCI) Potassium Sorbate
0.10%	0.10%	0.10%	0.10%	Sodium Benzoate
adjusted	adjusted	adjusted	adjusted	Citric Acid to pH 3.5-5.0
Yes	No	Yes	Yes	Certified by I.A.S.C.

3 Aloe Vera Gel: Powders

Product description	TD013 Aloe Vera Powder	TD015 Aloe Vera Powder	TN001 Aloe Vera Powder	TN003 Aloe Vera Powder Cryo-Vera
Version	Regular	Decolorized	Regular	Decolorized
Type of drying	Spray-drying	Freeze-drying	Spray-drying	Freeze-drying
Concentration	100x	100x	200x	200x
% Aloe Vera Gel	50	50	100	100
% Maltodextrin	50	50	-	-
Aloin content as 1x	<0.1ppm	<0.1ppm	<0.1ppm	<0.1ppm
Preservatives (INCI)				
Potassium Sorbate	0.50%	0.50%	-	-
Sodium Benzoate	0.50%	0.50%	-	-
Citric Acid to pH 3.5-5.0	adjusted	adjusted		
Certified by I.A.S.C.	No	No	No	No

4 Aloe Vera Gel: Organic Powders

Product description	TN001CR Aloe Vera Powder	TN003CR Aloe Vera Powder
Version	Regular	Decolorized
Type of drying	Spray-drying	Freeze-drying
Concentration	200x	200x
% Aloe Vera Gel	100	100
Aloin content as 1x	<0.1ppm	<0.1ppm
Preservatives	No	No
Certified organic (BioAgriCert)	Yes	Yes
Certified by I.A.S.C.	Yes	Yes

5 Aloe Vera Oil Extracts

Product description	AO001 Aloe Oil Extract CG	AO002 Aloe Oil Extract REG
Version	Cosmetic Grade	Regular
Manufacturing process	Extract from aloe vera whole leaf powder	Extract from aloe vera whole leaf powder
Concentration Aloe Vera Gel	Approx. 2.6%	Approx. 2.6%
Product form	liquid	liquid
Extraction solvent	50% Coconut oil 50% Mineral oil	Soybean oil
Aloin content	<0.1ppm	<0.1ppm
Preservatives	None	None
Certified by I.A.S.C.	No	No

6 Aloe Vera Gel: Powder speciality for food application

Product description	AGS001 Aloe Vera Powder Gold Seal
Version	Regular
Type of drying	Dehydration
Concentration	200x
% Aloe Vera Gel	100
Product form	Powder
% Maltodextrin	-
Aloin content as 1x	<0.1ppm
Preservatives	No
Certified by I.A.S.C.	Yes

7 INCI declaration of Aloe Vera Products

Finally we have to separate two classes of Aloe Vera products:

1. Aloe Vera Extracts
2. Aloe Vera Gels and its concentrates

1. INCI declaration for Aloe Vera Extracts

The solvent of the extract is to mention next to the Aloe Barbadensis Leaf Extract. For water based extracts, the dry residue is the content of Aloe Barbadensis Leaf Extract. For oily extracts an expected content of dry matter is to use as concentration.

In the case of Aloe Vera Oil Extract AO002 following breakdown is recommended:

<u>INCI name USA</u>	<u>INCI name Europe</u>	<u>% value</u>
Aloe Barbadensis Leaf Extract	Aloe Barbadensis Leaf Extract	0.03
Glycine Soja (Soybean) Oil	Glycine Soja Oil	99.97

2. INCI declaration for Aloe Vera Gels and its concentrates

Aloe Vera Gel (1x)

Aloe Vera Gel's big difference to an extract is the fact that it is a juice and therefore no solvent has been used. In a plant juice the solvent is a part of the plant and no extraction process occurs.

By using 10% of Aloe Vera Gel AG003 mixed with 90% of water, following declaration results:

<u>INCI name USA</u>	<u>INCI name Europe</u>	<u>% value</u>
Water demin.	Aqua	90.00
Aloe Barbadensis Leaf Juice	Aloe Barbadensis Leaf Juice	9.80
Potassium Sorbate	Potassium Sorbate	0.10
Sodium Benzoate	Sodium Benzoate	0.10

Aloe Vera Gel concentrates (10x, 40x, 100x, 200x)

During the concentration process of Aloe Vera Gel, only water is removed from the gel what makes it more concentrated in dry matter. By using this concentrate in a cosmetic product, we add some water to the concentrate to restore the original Aloe Vera Gel.

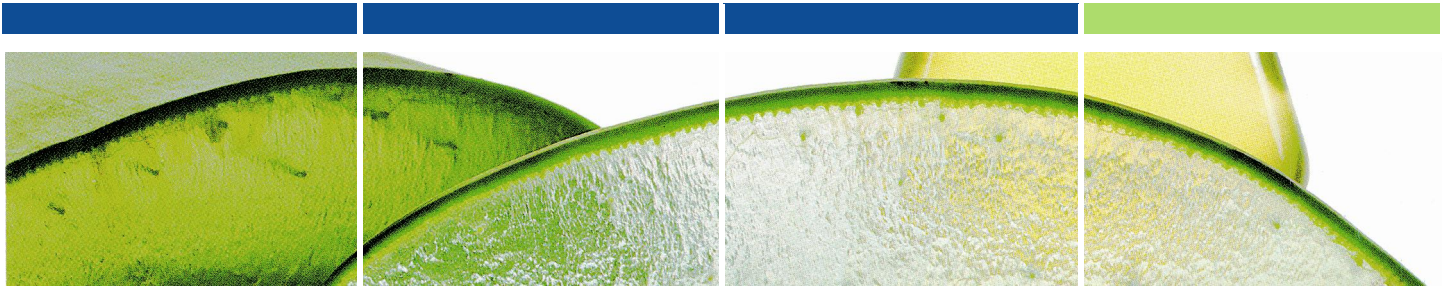
Example: 1% of Aloe Vera Gel concentrate AG014 (10x) means 10% of Aloe Vera Gel after re-dilution with water.

If we take care on the contained preservatives, 9.98% of Aloe Vera Gel is the final content.

By using 1% of Aloe Vera Gel AG014 (10x) mixed with 99% of water, following declaration results:

<u>INCI name USA</u>	<u>INCI name Europe</u>	<u>% value</u>
Water demin.	Aqua	90.018
Aloe Barbadensis Leaf Juice	Aloe Barbadensis Leaf Juice	9.980
Potassium Sorbate	Potassium Sorbate	0.001
Sodium Benzoate	Sodium Benzoate	0.001

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