

TINCTURE INSTRUCTIONS

EXTRACT	RATIO	Amount (in grams) needed for 100ml Tincture (Alcohol/Water/Glycerine)
Aspen Bark	4:1	5.0
Bamboo Leaf	20:1	1.00
Banaba Leaf	6:1	3.33
Burdock Root	4:1	5.0
Chamomile	10:1	2.0
Chia Organic	2:1	10.0
Chrysanthemum	12:1	1.67
Cucumber Peel	10:1	2.0
Ginkgo Biloba Leaf	50:1	0.40
Ginseng Root	5:1	4.0
Grape Seed	15:1	1.33
Green Tea	8:1	2.5
Honey Suckle Flower	5:1	4.0
Horse Chest Nut	4:1	5.0
Licorice Root	20:1	1.0
Maca Organic	5:1	4.0
Milk Thistle	20:1	1.0
Olive Leaf	8:1	2.5
Rosehips	20:1	1.0
Rosemary	10:1	2.0
Sacha Inchi Organic	4:1	5.0

Disclaimer & Caution

Please refer to the Material Safety Data Sheet (MSDS) and all other relevant technical information specific to the product, prior to use. The user of this product is solely responsible for determining the suitability of the product for their particular use and to be in compliance with all laws and regulations applying to the use of this product. New Directions Aromatics Inc. shall not be held responsible for any damages or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge, wrongful application or the improper handling or use of this product. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The information on the New Directions Aromatics Inc. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

TINCTURE INSTRUCTIONS (cont'd.)

EXTRACT	RATIO	Amount (in grams) needed for 100ml Tincture (Alcohol/Water/Glycerine)
Sea Buckthorn	20:1	1.0
Sunflower	5:1	4.0
Thyme	4:1	5.0
White Willow Bark	20:1	1.0

How to make a tincture using extracts

Botanical extracts are most easily added to formulations by first dissolving the extract in a suitable solvent such as alcohol (vodka or another grain alcohol with less scent), water, glycerin or mixture of solvent (water: alcohol or water: glycerin) and adding this tincture to your product. Not all extracts are completely soluble, so you may see some residue after it has been blended and if necessary, this can be removed using a filter. The MSDS information will indicate if an extract is only partially soluble.

Unlike herbal plant tinctures, there is no need to let the tincture sit and leech out the constituents of the plant material. This has already been done during the extraction process and the aim is to simply liquefy the powder so that it can evenly blend into your product. So once the botanical extract moistened with the solvent, it can be used right away.

Normally, a 100 ml tincture should be equivalent to 20 g of the raw plant. For example, Aspen bark has an extract ratio of 4:1 meaning 4 Kg of Aspen bark is used to produce 1 Kg of extract. Since you want the 100 mL tincture to contain 20 g of the raw plant, you should add 5 g (refer to the table above) of extract to 100 ml of suitable solvent.

Remember that with the tincture, once they are moistened, they must be used right away unless a proper preservative is used.

Disclaimer & Caution

Please refer to the Material Safety Data Sheet (MSDS) and all other relevant technical information specific to the product, prior to use. The user of this product is solely responsible for determining the suitability of the product for their particular use and to be in compliance with all laws and regulations applying to the use of this product. New Directions Aromatics Inc. shall not be held responsible for any damages or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge, wrongful application or the improper handling or use of this product. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The information on the New Directions Aromatics Inc. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.