

# MartinBauer Animal Nutrition

## ADD VALUE WITH DANDELION

### BOTANICAL FACTS



**DANDELION**  
*Taraxacum officinale*

<b>Target species</b>	Dogs and horses
<b>Target effect</b>	Kidney support
<b>Origin</b>	Europe, Asia
<b>Procurement</b>	Cultivation and wild collection
<b>Used parts</b>	Whole plant (aerial parts and roots)

### Prove of benefits

A study conducted on rats by Hamza et al. (2020) demonstrated the effects of dandelion whole plant powder on liver fibrosis. The results suggest that dandelion prevents the progression of liver fibrosis. In the review from Pflingstgraf et al. (2021), the protective effects of dandelion on the liver in acute and chronic liver failure were demonstrated in a rat model. The results suggest that dandelion extract may be a potential preventive therapeutic agent for severe hepatic and renal inflammatory lesions associated with acute or chronic liver failure. Reham et al. (2021) conducted a study on rats and measured the beneficial effect of dandelion powder on diabetes-induced changes in gonadal hormones and serum glucose levels. It is suggested that it may have a regulatory effect in male rats on diabetes-induced changes in gonadal hormone levels, particularly progesterone. A study was conducted by Badr et al. (2019) on rats receiving dandelion leaf extract. The extract was shown to be a promising nephroprotective agent for cisplatin-induced nephrotoxicity through antioxidant, anti-inflammatory and anti-apoptotic activities.

### Active ingredients

- Sesquiterpenes, triterpenes
- Steroids ( $\beta$ -sitosterol)
- Phenolic glycosides
- Flavonoids
- Phenolic carboxylic acids
- Coumarins
- Carbohydrates (2-4%; inulin potassium)
- Calcium, magnesium

### Associated benefits

- Appetizing
- Digestive
- Antimicrobial
- Diuretic
- Aquaretic
- Spasmolytic
- Kidney metabolism stimulating

### FORMATS



Cut



Powder



Blend



Extract



Tincture



**FAMI**qs

## References

### DANDELION

Badr et al. (2019) Insights Into Protective Mechanisms of Dandelion Leaf Extract Against Cisplatin-Induced Nephrotoxicity in Rats : Role of Inhibitory Effect on Inflammatory and Apoptotic Pathways. Dose-Response. DOI: 10.1177/1559325819874897

Brendieck-Worm, C. & Melzig, M. F. (2021) Phytotherapie in der Tiermedizin. Thieme. DOI: 10.1055/b000000502

Hamza et al. (2020) Dandelion prevents liver fibrosis, inflammatory response, and oxidative stress in rats. JoBAZ. DOI: 10.1186/s41936-020-00177-9

Pfingstgraf et al. (2021) Protective Effects of Taraxacum officinale L. (Dandelion) Root Extract in Experimental Acute on Chronic Liver Failure. Antioxidants. DOI: 10.3390/antiox10040504

Reham et al. (2021) Ameliorative Effect of Taraxacum officinale Leaves on Hormonal Status of Hyperglycemic Rats. Indian J Public Health Res Dev. DOI: 10.37506/ijphrd.v12i2.14158

**Let's talk about what our botanicals can do for your business.**

Martin Bauer GmbH & Co. KG  
Operating site Alveslohe  
Bahnhofstraße 2 | 25486 Alveslohe | Germany  
[animal.nutrition@martin-bauer.com](mailto:animal.nutrition@martin-bauer.com)  
[www.martin-bauer.com](http://www.martin-bauer.com)



**DANDELION**  
*Taraxacum officinale*

**Get in touch**

