

American Wit

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **20**
- SRM **3.4**
- Style **Witbier**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **5 liter(s) / kg**
- Mash size **20.5 liter(s)**
- Total mash volume **24.6 liter(s)**

Steps

- Temp **52 C**, Time **20 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **20.5 liter(s)** of strike water to **55.2C**
- Add grains
- Keep mash **20 min** at **52C**
- Keep mash **60 min** at **63C**
- Keep mash **25 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.4 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (58.8%)	81 %	4
Grain	Pszeniczny	0.7 kg (13.7%)	85 %	4
Adjunct	Pszenica niesłodowana	1 kg (19.6%)	75 %	3
Grain	Słód owsiany Fawcett	0.4 kg (7.8%)	61 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	10 g	60 min	6 %
Aroma (end of boil)	Cascade	15 g	10 min	6 %
Aroma (end of boil)	Citra	25 g	10 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale K-97	Ale	Dry	11.5 g	Fermentis

Extras

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

Type	Name	Amount	Use for	Time
Spice	Curacao	15 g	Boil	10 min
Spice	Kolendra	15 g	Boil	10 min
Spice	Skórki słodkiej pomarańczy	15 g	Boil	10 min
Spice	Skórki pomarańczy bergamotki	15 g	Boil	10 min