

Witbier_wel

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **19**
- SRM **3.6**
- Style **Witbier**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss --- %
- Size with trub loss **20 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **23 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.33 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **19.5 liter(s)**

Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **70.6C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **12.5 liter(s)** of **76C** water or to achieve **23 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.5 kg (55.6%)	81 %	4
Grain	Płatki pszeniczne	2 kg (44.4%)	85 %	3
płatki gotowane w 10l wody przez 10min i dodane do nich słód pilzneński i 4l wody goracej				

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	55 min	15.5 %
Po 10 min gotowania brzeczki dodałem 10g zeusa				

Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa Classic Belgian Witbier	Wheat	Dry	10 g	Gozdawa

Extras

Type	Name	Amount	Use for	Time
Spice	kolendra	6 g	Boil	5 min
Spice	curacao	25 g	Boil	5 min