

Wędzony Pale Ale v.1

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **33**
- SRM **6.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Wędzony Grusza - Viking Malt	5 kg (100%)	81 %	10

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka (PL)	20 g	60 min	11.2 %
Boil	Perle (PL)	20 g	20 min	7.2 %
Aroma (end of boil)	Perle (PL)	30 g	0 min	7.2 %