

Amerykańska Pszenica

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **24**
- SRM **3.7**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **27.1 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

Steps

- Temp **67 C**, Time **70 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **12.9 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **70 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **18.5 liter(s)** of **76C** water or to achieve **27.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg (46.5%)	81 %	4
Grain	Pszeniczny	2 kg (46.5%)	85 %	4
Grain	Monachijski	0.3 kg (7%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	70 min	15.5 %
Boil	Centennial	10 g	10 min	10.5 %
Aroma (end of boil)	Centennial	10 g	2 min	10.5 %
Aroma (end of boil)	Amarillo	10 g	2 min	9.5 %
Dry Hop	Citra	15 g	3 day(s)	12 %
Dry Hop	Mosaic	20 g	3 day(s)	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis