

POLISH IPA

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **40**
- SRM **4.8**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.5 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **66 C**, Time **70 min**
- Temp **77 C**, Time **10 min**

Mash step by step

- Heat up **16.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **10 min** at **77C**
- Sparge using **16.5 liter(s)** of **76C** water or to achieve **27.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	4.5 kg (81.8%)	85 %	7
Grain	Pszeniczny	1 kg (18.2%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	65 g	30 min	7.3 %
Whirlpool	Książęcy	50 g	10 min	7 %
Dry Hop	Sybilla	300 g	2 day(s)	4.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	100 ml	Fermentum Mobile