

AIPA

- Gravity **17.3 BLG**
- ABV ---
- IBU **53**
- SRM **9.9**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **77 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.4 liter(s)**
- Total mash volume **27.2 liter(s)**

Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **75 C**, Time **10 min**

Mash step by step

- Heat up **20.4 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **75C**
- Sparge using **14 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (73.5%)	80 %	4
Grain	Strzegom Karmel 150	0.5 kg (7.4%)	75 %	150
Grain	whead,flaked	0.8 kg (11.8%)	70 %	2
Grain	Rye	0.5 kg (7.4%)	63 %	10

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	8.4 %
Boil	Simcoe	20 g	30 min	13.2 %
Boil	WAI-ITI	20 g	30 min	4.1 %
Boil	WAI-ITI	20 g	10 min	4.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa Pure Ale Yeast 7	Ale	Dry	11 g	Gozdawa

Extras

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

Type	Name	Amount	Use for	Time
Herb	Trawa cytrynowa	20 g	Boil	10 min