

AIPA

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **37**
- SRM **4.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **77 C**, Time **10 min**

Mash step by step

- Heat up **16.5 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **77C**
- Sparge using **15.5 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4 kg (72.7%)	80 %	4
Grain	Strzegom Pszeniczny	1 kg (18.2%)	81 %	6
Grain	Simpsons - Maris Otter	0.5 kg (9.1%)	81 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	60 min	15.5 %
Whirlpool	Cascade	30 g	30 min	6 %
Whirlpool	Citra	30 g	30 min	12 %
Dry Hop	Equinox	30 g	7 day(s)	13.1 %
Dry Hop	Cascade	30 g	7 day(s)	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
WLP001 - California Ale Yeast	Ale	Slant	100 ml	White Labs

Extras

Type	Name	Amount	Use for	Time
Fining	MECH IRLANDZKI	5 g	Boil	10 min

Notes

- Chmielenia na zimno w temperaturze 14-15C
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