

WHITE IPA

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **58**
- SRM **3.9**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.6 liter(s)**

Mash information

- Mash efficiency **67 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **69 C**, Time **60 min**

Mash step by step

- Heat up **16.5 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **60 min** at **69C**
- Sparge using **19.6 liter(s)** of **76C** water or to achieve **30.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (44.1%)	81 %	4
Grain	Pszeniczny	2.5 kg (36.8%)	85 %	4
Adjunct	Płatki pszeniczne	0.8 kg (11.8%)	85 %	3
Adjunct	Płatki owsiane	0.5 kg (7.4%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	20 g	60 min	16.8 %
Aroma (end of boil)	Amarillo	30 g	15 min	9.5 %
Aroma (end of boil)	Mosaic	30 g	15 min	10 %
Whirlpool	Citra	20 g	0 min	12 %
Whirlpool	Amarillo	20 g	0 min	9.5 %
Whirlpool	Mosaic	20 g	0 min	10 %
Aroma (end of boil)	Citra	10 g	15 min	12 %
Dry Hop	Amarillo	50 g	4 day(s)	9.5 %
Dry Hop	Mosaic	50 g	4 day(s)	10 %
Dry Hop	Citra	20 g	4 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	20 ml	Fermentis