

sezam IPA

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **20**
- SRM **4.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.8 liter(s)**
- Total mash volume **26.4 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **20 min**

Mash step by step

- Heat up **19.8 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **20 min** at **78C**
- Sparge using **18.5 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Castle Malting - Pilzneński 6-rzędowy	2.5 kg (37.9%)	80 %	5
Grain	Viking Pale Ale malt	2.5 kg (37.9%)	80 %	5
Grain	Płatki owsiane	0.5 kg (7.6%)	60 %	3
Grain	Briess - Wheat Malt, Red	0.3 kg (4.5%)	81 %	5
Grain	malt cookie	0.3 kg (4.5%)	80 %	5
Grain	Weyermann pszeniczny jasny	0.5 kg (7.6%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	10 g	60 min	9.5 %
Boil	Cascade	30 g	30 min	6 %
Boil	Amarillo	20 g	0 min	9.5 %
Boil	Citra	30 g	0 min	12 %
Dry Hop	Cascade	30 g	5 day(s)	6 %
Dry Hop	Centennial	30 g	5 day(s)	10.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Fermentis