

AIPA

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **56**
- SRM **6.8**
- 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 **23.1 liter(s)**
- Total mash volume **30.8 liter(s)**

Steps

- Temp **55 C**, Time **0 min**
- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **23.1 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **0 min** at **55C**
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	5 kg (64.9%)	81 %	4
Grain	Pszeniczny	1 kg (13%)	85 %	4
Grain	Monachijski	1.5 kg (19.5%)	80 %	16
Grain	Cara Gold	0.2 kg (2.6%)	75 %	120

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	35 g	60 min	13.2 %
Boil	Citra	17 g	15 min	12 %
Boil	Columbus/Tomahawk/Zeus	17 g	10 min	12.4 %
Boil	Simcoe	25 g	5 min	13.2 %
Boil	Citra	25 g	1 min	12 %
Dry Hop	Cascade	25 g	4 day(s)	6 %
Dry Hop	Amarillo	50 g	4 day(s)	9.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Other	mech	7 g	Boil	15 min