

AIPA

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **16**
- SRM **5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Steps

- Temp **66 C**, Time **50 min**
- Temp **76 C**, Time **10 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **76C**
- Keep mash **0 min** at **78C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	5 kg (100%)	85 %	7

Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	Chinook	20 g	10 min	13 %
Whirlpool	Columbus/Tomahawk/Zeus	20 g	10 min	15.5 %
Whirlpool	Simcoe	20 g	10 min	13.2 %
Dry Hop	Chinook	30 g	2 day(s)	13 %
Dry Hop	Columbus/Tomahawk/Zeus	30 g	2 day(s)	15.5 %
Dry Hop	Simcoe	30 g	2 day(s)	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis