

Cold IPA

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **56**
- SRM **4.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **63 C**, Time **50 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **50 min** at **63C**
- Keep mash **1 min** at **78C**
- Sparge using **13.6 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	4.9 kg (70%)	81 %	4
Grain	Rice, Flaked	1.75 kg (25%)	70 %	2
Grain	Weyermann - Carapils	0.35 kg (5%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	45 g	60 min	11 %
Boil	Simcoe	35 g	5 min	11 %
Boil	Citra	80 g	1 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
WLP090 - San Diego Super Yeast	Ale	Slant	50 ml	White Labs