

AIPA

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **79**
- SRM **10**
- 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 **2.65 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **67 C**, Time **90 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **75.9C**
- Add grains
- Keep mash **90 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **20.5 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Castle Pale Ale	6 kg (88.2%)	80 %	8
Grain	Karmelowy żytni Strzegom	0.5 kg (7.4%)	75 %	150
Grain	Aromatic Malt	0.3 kg (4.4%)	78 %	51

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Bravo	44 g	60 min	15.5 %
Boil	Lemon drop	25 g	15 min	4.6 %
Boil	Citra	30 g	10 min	12 %
Boil	Lemon drop	25 g	5 min	4.6 %
Boil	Citra	30 g	3 min	12 %
Dry Hop	Lemon drop	20 g	7 day(s)	4.6 %
Dry Hop	Citra	20 g	7 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	10 g	Fermentis