

ajpa

- Gravity **14.9 BLG**
- ABV ---
- IBU **46**
- SRM **8.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.9 liter(s)**
- Total mash volume **25.6 liter(s)**

Steps

- Temp **66 C**, Time **80 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **19.9 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **80 min** at **66C**
- Keep mash **5 min** at **76C**
- Sparge using **13.6 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4.5 kg (78.9%)	79 %	6
Grain	Strzegom Wiedeński	0.5 kg (8.8%)	79 %	10
Grain	Strzegom pszeniczny	0.3 kg (5.3%)	81 %	6
Grain	Karmelowy Czerwony	0.4 kg (7%)	75 %	59

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	15 g	60 min	15.5 %
Boil	Cascade	20 g	30 min	6 %
Boil	Citra	20 g	10 min	12 %
Boil	Cascade	20 g	10 min	6 %
Boil	Cascade	20 g	0 min	6 %
Boil	Citra	20 g	0 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Dry	11.5 g	Danstar