

Double American Polonus

- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU **96**
- SRM **5**
- Style **Imperial 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **71 C**, Time **15 min**
- Temp **76 C**, Time **4 min**

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **71C**
- Keep mash **4 min** at **76C**
- Sparge using **12.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6 kg (80%)	80 %	5
Grain	Weyermann - Carapils	0.5 kg (6.7%)	78 %	4
Grain	Pszeniczny	1 kg (13.3%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	28 g	60 min	6 %
Boil	Centennial	56 g	45 min	10.5 %
Boil	Chinook	28 g	30 min	13 %
Boil	Cascade	28 g	15 min	6 %
Boil	?	28 g	5 min	13 %
Aroma (end of boil)	?	56 g	0 min	13 %
Dry Hop	?	56 g	7 day(s)	13 %

Yeasts

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