

Podwórkowy "come-back"

- Gravity **17.3 BLG**
- ABV **7.4 %**
- IBU **21**
- SRM **5.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.6 liter(s)**
- Total mash volume **28.8 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **21.6 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **12 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.2 kg (44.4%)	80 %	5
Grain	Viking Wheat Malt	1.8 kg (25%)	83 %	5
Grain	Weyermann - Pilsner Malt	2.2 kg (30.6%)	81 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Ekuanot	5 g	60 min	14 %
Aroma (end of boil)	Amarillo	50 g	10 min	9.5 %
Dry Hop	Citra	10 g	7 day(s)	12 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Water Agent	Kwas mlekowy	6 g	Mash	90 min