

Polskie Pale Ale EXP2/20

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **33**
- SRM **4.5**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **0 %**
- Size with trub loss **20 liter(s)**
- Boil time **30 min**
- Evaporation rate **20 %/h**
- Boil size **22 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **23.3 liter(s)**

Steps

- Temp **67 C**, Time **60 min**

Mash step by step

- Heat up **18.6 liter(s)** of strike water to **72.9C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **8.1 liter(s)** of **76C** water or to achieve **22 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	4 kg (86%)	82 %	4
Grain	Płatki owsiane	0.4 kg (8.6%)	60 %	3
Grain	Karmelowy Jasny 30EBC	0.25 kg (5.4%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Rody Hodowlane EXP 2/20	50 g	10 min	9.3 %
Boil	lunga	10 g	30 min	11.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Dry	150 g	Danstar