

# WeselPA

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **53**
- SRM **4.8**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **31.6 liter(s)**

## Mash information

- Mash efficiency **82 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **19.3 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **0 min** at **78C**
- Sparge using **17.8 liter(s)** of **76C** water or to achieve **31.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale IREKS	4.8 kg (87.3%)	80 %	8
Grain	Pszeniczny jasny IREKS	0.5 kg (9.1%)	80 %	6
Grain	Cara-Pils/Dextrine	0.2 kg (3.6%)	72 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	30 g	60 min	13.2 %
Boil	Citra	15 g	15 min	12 %
Boil	Simcoe	15 g	15 min	13.2 %
Boil	Simcoe	25 g	0 min	13.2 %
Boil	Citra	25 g	0 min	12 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Danstar BRY-97	Ale	Dry	11 g	danstar