

# Pale Ale #1

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **37**
- SRM **3.1**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **550 liter(s)**
- Trub loss **5 %**
- Size with trub loss **583 liter(s)**
- Boil time **60 min**
- Evaporation rate **2 %/h**
- Boil size **622.7 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **385 liter(s)**
- Total mash volume **495 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	70 kg (63.6%)	81 %	4
Grain	Płatki owsiane	40 kg (36.4%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Pacific Gem	100 g	60 min	15.3 %
Boil	Citra	100 g	60 min	12 %
Whirlpool	Pacific Gem	1000 g	5 min	15.3 %
Whirlpool	Citra	1000 g	5 min	12 %
Aroma (end of boil)	Pacific Gem	200 g	20 min	15.3 %
Aroma (end of boil)	Citra	200 g	20 min	12 %