

# Kombinowane

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **39**
- SRM **4.5**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **23.3 liter(s)**
- Total mash volume **31 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **23.3 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **17.5 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5.5 kg (70.9%)	80 %	5
Grain	Pszeniczny	1.5 kg (19.3%)	85 %	4
Grain	Płatki owsiane	0.76 kg (9.8%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	10 %
Boil	Citra	30 g	15 min	12 %
Boil	Citra	10 g	5 min	12 %
Dry Hop	Citra	30 g	4 day(s)	12 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Kveik	Ale	Slant	10 ml	---