

# wai iti pale ale

- Gravity **12.6 BLG**
- ABV ---
- IBU **33**
- SRM **4.8**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **16.6 liter(s)**
- Total mash volume **21.3 liter(s)**

## Steps

- Temp **67 C**, Time **70 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **16.6 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **15.9 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzniejszy	4 kg (79.5%)	80 %	4
Grain	Pszeniczny	0.28 kg (5.6%)	85 %	4
Grain	Melanoiden Malt	0.25 kg (5%)	80 %	39
Grain	Weyermann - Carared	0.2 kg (4%)	75 %	45
Adjunct	Płatki ryżowe	0.3 kg (6%)	85 %	2

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	15 g	60 min	15.5 %
Boil	Columbus/Tomahawk/Zeus	10 g	15 min	15.5 %
Boil	WAI-ITI	25 g	5 min	4.1 %
Boil	WAI-ITI	25 g	0 min	4.1 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis