

## AIPA - w stylu west coast 4

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **48**
- SRM **4.9**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

### Steps

- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **19.3 liter(s)** of strike water to **69.1C**
- Add grains
- Keep mash **40 min** at **63C**
- Keep mash **25 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **11.5 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	4.5 kg (81.8%)	81 %	5
Grain	Viking Munich Malt	0.5 kg (9.1%)	78 %	18
Grain	Pszeniczny	0.5 kg (9.1%)	85 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Azacca	15 g	60 min	14 %
Boil	Azacca	20 g	15 min	14 %
Boil	Mosaic	20 g	10 min	9.5 %
Boil	Mandarina Bavaria	15 g	5 min	8.1 %
Boil	Mosaic	20 g	2 min	10 %
Aroma (end of boil)	Mandarina Bavaria	20 g	0 min	10 %
Dry Hop	Mandarina Bavaria	50 g	5 day(s)	10 %

### Yeasts

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