

## Na nic płacze Apache (West Coast IPA)

- Gravity **14 BLG**
- ABV ---
- IBU **86**
- SRM **4.2**
- Style **White IPA**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **7 %**
- Size with trub loss **10.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **11 %/h**
- Boil size **13.1 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **9.8 liter(s)**
- Total mash volume **12.6 liter(s)**

### Steps

- Temp **62 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **77 C**, Time **10 min**

### Mash step by step

- Heat up **9.8 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **45 min** at **62C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **77C**
- Sparge using **6.1 liter(s)** of **76C** water or to achieve **13.1 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.5 kg (89.3%)	81 %	4
Grain	Weyermann - Carapils	0.3 kg (10.7%)	78 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Admiral	10 g	60 min	14.3 %
Boil	Chinook	10 g	50 min	13 %
Boil	Sybilla	20 g	25 min	3.5 %
Boil	Chinook	8 g	25 min	13 %
Aroma (end of boil)	Chinook	7 g	0 min	13 %
Aroma (end of boil)	Sybilla	10 g	0 min	3.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	5.9 g	Safale