

# Na nic płacze Apache (West Coast IPA PL)

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **65**
- SRM **5.1**
- Style **White IPA**

## Batch size

- Expected quantity of finished beer **10.5 liter(s)**
- Trub loss **7 %**
- Size with trub loss **11.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **11 %/h**
- Boil size **14.2 liter(s)**

## Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **13.5 liter(s)**

## Steps

- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **77 C**, Time **10 min**

## Mash step by step

- Heat up **10.5 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **77C**
- Sparge using **6.7 liter(s)** of **76C** water or to achieve **14.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Castle Pale Ale	2 kg (66.7%)	80 %	8
Grain	Pszeniczny	1 kg (33.3%)	85 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	lunga	25 g	90 min	11 %
Whirlpool	lunga	10 g	15 min	11 %
Dry Hop	lunga	15 g	3 day(s)	11 %

## Yeasts

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

## Extras

Type	Name	Amount	Use for	Time
Water Agent	Gips piwowarski	4 g	Boil	60 min