

# Na nic płacze Apache (West Coast IPA) v2

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **63**
- SRM **3.8**
- 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 **13.7 liter(s)**

## Mash information

- Mash efficiency **78 %**
- 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 **6.7 liter(s)** of **76C** water or to achieve **13.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg (71.4%)	81 %	4
Grain	Weyermann - Carapils	0.5 kg (17.9%)	78 %	4
Grain	Pszeniczny	0.3 kg (10.7%)	85 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	15 g	60 min	9.5 %
Boil	Citra	15 g	60 min	12 %
Aroma (end of boil)	Amarillo	10 g	0 min	9.5 %
Boil	Citra	10 g	0 min	12 %

## Yeasts

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