

IPA na West Coast (Northern Brewer, Amarillo)

- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **24**
- SRM **3**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up **15.8 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **72C**
- Sparge using **19.1 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	4 kg (88.9%)	82 %	4
Grain	Corn, Flaked	0.5 kg (11.1%)	80 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Książęcy	30 g	40 min	7 %
Aroma (end of boil)	Amarillo	30 g	5 min	7.7 %

Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa West Coast	Ale	Dry	11.5 g	---