

APA No 2

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **41**
- SRM **3.8**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

Steps

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

Mash step by step

- Heat up **9 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **45 min** at **62C**
- Keep mash **15 min** at **72C**
- Sparge using **9.2 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	1 kg (33.3%)	80 %	5
Grain	Viking Pilsner malt	1 kg (33.3%)	82 %	4
Grain	Pszeniczny	1 kg (33.3%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	10 g	45 min	13 %
Boil	Mosaic	22 g	15 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa - US West Coast	Ale	Dry	11 g	Gozdawa