

Weselna APA

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **36**
- SRM **4.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **10 %**
- Size with trub loss **26.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **32.9 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **26.9 liter(s)**
- Total mash volume **34.6 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **26.9 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **78C**
- Sparge using **13.7 liter(s)** of **76C** water or to achieve **32.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7 kg (90.9%)	80 %	5
Grain	Viking Carabody malt	0.7 kg (9.1%)	75 %	8

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zula	25 g	60 min	13 %
Aroma (end of boil)	Mosaic	50 g	5 min	10 %
Dry Hop	Mosaic	100 g	2 day(s)	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M12 Voss Kveik	Ale	Dry	11 g	Mangrove Jack's