

ALeresztki

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **25**
- SRM **4.3**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **17 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (83.3%)	80 %	5
Grain	Viking Wheat Malt	1 kg (16.7%)	83 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	25 g	60 min	10 %
Aroma (end of boil)	Chinook PL	25 g	1 min	6.2 %
Aroma (end of boil)	Cascade PL	25 g	1 min	6.3 %
Dry Hop	Chinook PL	75 g	3 day(s)	6.2 %
Dry Hop	Cascade PL	75 g	3 day(s)	6.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis