

## KRK e. 20 - 26.03.2023

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- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **39**
- SRM **3.6**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **65 min**
- Evaporation rate **15 %/h**
- Boil size **24.1 liter(s)**

### Mash information

- Mash efficiency **77 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.1 liter(s)**
- Total mash volume **14.8 liter(s)**

### Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

### Mash step by step

- Heat up **11.1 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.5 kg (94.6%)	80 %	5
Grain	Pszeniczny	0.2 kg (5.4%)	85 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Blanc	25 g	60 min	9.3 %
Boil	Hallertau Blanc	15 g	10 min	9.3 %
Aroma (end of boil)	Hallertau Blanc	12.5 g	1 min	9.3 %
Aroma (end of boil)	Vic Secret	15 g	1 min	16 %