

Jubileeush

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **29**
- SRM **4.4**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.2 liter(s)**
- Total mash volume **25.6 liter(s)**

Steps

- Temp **68 C**, Time **50 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **19.2 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **50 min** at **68C**
- Keep mash **15 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **15 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (78.1%)	80 %	5
Grain	Płatki pszeniczne	1 kg (15.6%)	60 %	3
Grain	Płatki owsiane	0.4 kg (6.3%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	20 g	40 min	13 %
Aroma (end of boil)	Chinook	30 g	5 min	13 %

Yeasts

Name	Type	Form	Amount	Laboratory
Lallemand - LalBrew Voss Kveik	Ale	Dry	11 g	Lallemand

Extras

Type	Name	Amount	Use for	Time
Flavor	Laktoza	500 g	Boil	10 min

Notes

- Laktoza po 50 min gotowania.
Dać WHIRLFLOCK
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