#27Wolny weekend

- Gravity **16.6 BLG**
- ABV **7 %**
- IBU **38**
- SRM **5.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **25.6 liter(s)**
- Total mash volume **32.9 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **15 min**

Mash step by step

- Heat up **25.6 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **15 min** at **72C**
- Sparge using **13.4 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.7 kg *(64.4%)*	80 %	5
Grain	Weyermann - Carapils	0.5 kg *(6.8%)*	78 %	4
Grain	Pszeniczny	0.5 kg *(6.8%)*	85 %	4
Grain	Płatki pszeniczne	0.5 kg *(6.8%)*	60 %	3
Grain	Płatki owsiane	0.8 kg *(11%)*	60 %	3
Grain	Abbey Malt Weyermann	0.3 kg *(4.1%)*	75 %	45

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Nelson Sauvin	20 g	60 min	11.3 %
Boil	Rakau (NZ)	20 g	30 min	9.6 %
Boil	Rakau (NZ)	40 g	10 min	9.6 %
Whirlpool	Sabro	30 g	0 min	15.8 %
Whirlpool	Rakau (NZ)	50 g	0 min	9.6 %
Dry Hop	Rakau (NZ)	60 g	3 day(s)	9.6 %
Dry Hop	Nelson Sauvin	40 g	3 day(s)	11.3 %
Dry Hop	Sabro	30 g	3 day(s)	15.8 %

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Yeasts

Name	Type	Form	Amount	Laboratory
WLP521 Hornindal Kveik Ale	Ale	Liquid	70 ml	White Labs

Extras

Type	Name	Amount	Use for	Time
Other	łuska ryżowa	300 g	Mash	0 min
Water Agent	gips piwowarski	5 g	Mash	75 min

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