

XXX Imperial VERMONT IPA wg PIWNY KRAFT

- Gravity **17.5 BLG**
- ABV **7.5 %**
- IBU **40**
- SRM **5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **14.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **22 %/h**
- Boil size **20.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Steps

- Temp **67 C**, Time **67 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **15.3 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **67 min** at **67C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **10.2 liter(s)** of **76C** water or to achieve **20.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.7 kg (72.5%)	80 %	5
Grain	Pilzniejszy	0.7 kg (13.7%)	81 %	4
Grain	Płatki pszeniczne	0.4 kg (7.8%)	85 %	3
Grain	Płatki owsiane	0.3 kg (5.9%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Nugget	15 g	60 min	13 %
Boil	Mosaic	10 g	60 min	10 %
Boil	Citra	10 g	5 min	12 %
Whirlpool	ADHA527	20 g	0 min	1 %
Whirlpool	Galaxy	30 g	0 min	15 %
Whirlpool	Mosaic	30 g	0 min	10 %
Whirlpool	ADHA527	50 g	0 min	1 %
Whirlpool	Galaxy	30 g	0 min	15 %
Whirlpool	Citra	30 g	0 min	12 %
Dry Hop	Galaxy	40 g	4 day(s)	15 %

Dry Hop	ADHA527	30 g	4 day(s)	1 %
Dry Hop	Mosaic	10 g	4 day(s)	10 %
Dry Hop	Citra	60 g	4 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale