

Clasic IPA

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **38**
- SRM **4.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **25.2 liter(s)**

Steps

- Temp **69 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **18.9 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **60 min** at **69C**
- Keep mash **5 min** at **76C**
- Sparge using **13.8 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Viking Pale Ale malt | 5.5 kg (87.3%) | 80 % | 5 |
| Grain | Rye, Flaked | 0.4 kg (6.3%) | 78.3 % | 4 |
| Grain | Weyermann - Carapils | 0.4 kg (6.3%) | 78 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|----------|------------|
| First Wort | Simcoe | 20 g | 70 min | 13.2 % |
| Aroma (end of boil) | Amarillo | 30 g | 5 min | 9.5 % |
| Whirlpool | Simcoe | 20 g | 5 min | 13.2 % |
| Dry Hop | Simcoe | 50 g | 5 day(s) | 13.2 % |
| Dry Hop | Centennial | 50 g | 5 day(s) | 10.5 % |
| Dry Hop | Amarillo | 20 g | 5 day(s) | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 22 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|-----------------------|--------|-----------|----------|
| Fining | NaCl | 8 g | Mash | 70 min |
| Other | Witamina C | 3 g | Secondary | 5 day(s) |
| Fining | Whirfloc 1/2 tabletki | 1 g | Boil | 0 min |

Notes

- Fermentacja
20 dni - 16 C
7 dni cicha - 18 c
7 dni cold crash
Rozlew na 2.0
Fermentacje można pociągnąć na Verdantach zgodnie z ich schematem nie będzie to jednak wajsb klasycznego west coast.
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