

ABW

- Gravity **23.1 BLG**
- ABV **10.5 %**
- IBU **113**
- SRM **16.3**
- Style **American Barleywine**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **25.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27.3 liter(s)**
- Total mash volume **36.4 liter(s)**

Steps

- Temp **67 C**, Time **70 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **27.3 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **70 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **7 liter(s)** of **76C** water or to achieve **25.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Viking Pale Ale malt | 6.5 kg (71.4%) | 80 % | 5 |
| Grain | Monachijski | 0.8 kg (8.8%) | 80 % | 16 |
| Grain | Abbey Castle | 0.5 kg (5.5%) | 80 % | 45 |
| Grain | Weyermann - Carapils | 0.5 kg (5.5%) | 78 % | 4 |
| Grain | Pszeniczny | 0.4 kg (4.4%) | 85 % | 4 |
| Grain | Special B Malt | 0.2 kg (2.2%) | 65.2 % | 315 |
| Grain | Caraaroma | 0.2 kg (2.2%) | 78 % | 400 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 50 g | 60 min | 15.8 % |
| Boil | Mosaic | 50 g | 15 min | 11.8 % |
| Boil | Cascade | 50 g | 15 min | 6.3 % |
| Boil | Mosaic | 50 g | 7 min | 11.8 % |
| Boil | Cascade | 50 g | 7 min | 6.3 % |
| Dry Hop | Cascade | 100 g | 7 day(s) | 6.3 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-------------|---------------|----------------|-------------|
| Fining | mech | 5 g | Boil | 15 min |
| Water Agent | gips | 5 g | Mash | --- |