

ABW 3

- Gravity **25.5 BLG**
- ABV **12 %**
- IBU **99**
- SRM **26.7**
- 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 **22 %/h**
- Boil size **29.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30.6 liter(s)**
- Total mash volume **40.8 liter(s)**

Steps

- Temp **68 C**, Time **70 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **30.6 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **8.7 liter(s)** of **76C** water or to achieve **29.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|--------|-----|
| Grain | Simpsons - Golden Promise | 3 kg (29.4%) | 81 % | 4 |
| Grain | Simpsons - Maris Otter | 2 kg (19.6%) | 81 % | 6 |
| Grain | Monachijski | 1.5 kg (14.7%) | 80 % | 16 |
| Grain | Weyermann - Carapils | 1 kg (9.8%) | 78 % | 4 |
| Grain | Abbey Castle | 0.7 kg (6.9%) | 80 % | 45 |
| Grain | Caramel/Crystal Malt - 10L | 0.5 kg (4.9%) | 75 % | 20 |
| Grain | Special B Malt | 0.5 kg (4.9%) | 65.2 % | 315 |
| Grain | Caraaroma | 0.5 kg (4.9%) | 78 % | 400 |
| Grain | Pszeniczny | 0.5 kg (4.9%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Chinook | 50 g | 60 min | 13 % |
| Boil | Mosaic | 50 g | 20 min | 11.8 % |
| Boil | Cascade | 50 g | 20 min | 6.3 % |
| Boil | Mosaic | 50 g | 7 min | 11.8 % |

| | | | | |
|---------|---------|-------|----------|--------|
| Boil | Cascade | 50 g | 7 min | 6.3 % |
| Dry Hop | Pekko | 150 g | 7 day(s) | 13.6 % |

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 | --- |