

prima2

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **32**
- SRM **4.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **1500 liter(s)**
- Trub loss **5 %**
- Size with trub loss **1575 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **1732.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **1125 liter(s)**
- Total mash volume **1500 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **1125 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **982.5 liter(s)** of **76C** water or to achieve **1732.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------------|----------------|-------|-----|
| Grain | Pale Malt (2 Row) US | 175 kg (46.7%) | 79 % | 4 |
| Grain | Weyermann - Bohemian Pilsner Malt | 150 kg (40%) | 81 % | 4 |
| Grain | Carahell | 30 kg (8%) | 77 % | 26 |
| Grain | Pszeniczny | 20 kg (5.3%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Mosaic | 180 g | 60 min | 10 % |
| Boil | Ekuanot | 110 g | 60 min | 13 % |
| Boil | Mosaic | 150 g | 50 min | 10 % |
| Boil | ekuanot | 115 g | 50 min | 13 % |
| Boil | Mosaic | 140 g | 45 min | 10 % |
| Boil | ekuanot | 120 g | 45 min | 13 % |
| Boil | Simcoe | 200 g | 25 min | 13.2 % |
| Boil | Mosaic | 150 g | 25 min | 10 % |
| Boil | ekuanot | 150 g | 25 min | 13 % |

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|-----------|---------|--------|--------|--------|
| Boil | Simcoe | 150 g | 5 min | 13.2 % |
| Boil | Mosaic | 150 g | 5 min | 10 % |
| Boil | ekuanot | 150 g | 5 min | 13 % |
| Whirlpool | Mosaic | 1000 g | 20 min | 10 % |
| Whirlpool | ekuanot | 1000 g | 20 min | 13 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| us-05 | Ale | Dry | 950 g | --- |