

Hoppy Saison

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **31**
- SRM **4.3**
- Style **Saison**

Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **20.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **5 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **12 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **12.2 liter(s)** of **76C** water or to achieve **20.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt | 3 kg (72.3%) | 82 % | 4 |
| Grain | BESTMALZ - Best Wheat Malt | 0.5 kg (12%) | 82 % | 5 |
| Grain | Viking Munich Malt | 0.3 kg (7.2%) | 78 % | 18 |
| Grain | Weyermann - Żytni | 0.2 kg (4.8%) | 85 % | 8 |
| Sugar | cukier | 0.15 kg (3.6%) | --- % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------|--------|----------|------------|
| Boil | Magnum | 15 g | 40 min | 13 % |
| Boil | Magnum | 10 g | 15 min | 13 % |
| Dry Hop | Mosaic PP | 40 g | 3 day(s) | 11.6 % |
| Dry Hop | Simcoe PP | 25 g | 3 day(s) | 10.7 % |
| Dry Hop | Columbus PP | 30 g | 3 day(s) | 16.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|---------------------------|-----|-------|--------|---------|
| Danstar - Belle Saison | Ale | Slant | 100 ml | Danstar |
|---------------------------|-----|-------|--------|---------|

Notes

- Woda kranowa modyfikowana kwasem mlekowym
zacieranie 14.5L - 2ml
Wysładzanie 10L -3.5ml
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