

P.1 - Witbier

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **22**
- SRM **4.2**
- Style **Witbier**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.2 liter(s)**
- Total mash volume **20.2 liter(s)**

Steps

- Temp **55 C**, Time **1 min**
- Temp **62 C**, Time **30 min**
- Temp **73 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **15.2 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **1 min** at **55C**
- Keep mash **30 min** at **62C**
- Keep mash **60 min** at **73C**
- Keep mash **1 min** at **78C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|-----------------|-------|-----|
| Grain | Weyermann - Pilsner Malt | 2.94 kg (58.1%) | 81 % | 5 |
| Grain | Weyermann pszeniczny jasny | 1.53 kg (30.2%) | 80 % | 6 |
| Grain | Płatki pszeniczne | 0.59 kg (11.7%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------------|---------|--------|------------|
| Boil | Styrian Golding | 35.29 g | 60 min | 3.6 % |
| Boil | Saaz (Czech Republic) | 11.76 g | 15 min | 4.5 % |
| Boil | Styrian Golding | 11.76 g | 15 min | 3.6 % |
| Boil | Saaz (Czech Republic) | 23.53 g | 5 min | 4.5 % |
| Boil | Styrian Golding | 11.76 g | 5 min | 3.6 % |

Yeasts

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

| | | | | |
|--------------|-----|-----|---------|---------|
| Safbrew S-33 | Ale | Dry | 12.94 g | Safbrew |
|--------------|-----|-----|---------|---------|

Extras

| Type | Name | Amount | Use for | Time |
|-------|----------|---------|---------|--------|
| Spice | Kolendra | 23.53 g | Boil | 15 min |
| Spice | Curacao | 23.53 g | Boil | 15 min |