

Double Witbier

- Gravity **17.5 BLG**
- ABV ---
- IBU **27**
- SRM **5.6**
- Style **Witbier**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **20 %/h**
- Boil size **30.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **55 C**, Time **20 min**
- Temp **65 C**, Time **60 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **20 min** at **55C**
- Keep mash **60 min** at **65C**
- Keep mash **0 min** at **76C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **30.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|--------------|-------|-----|
| Grain | Viking Pilsner malt | 2 kg (28.6%) | 82 % | 4 |
| Grain | Viking Munich Malt | 1 kg (14.3%) | 78 % | 18 |
| Grain | Viking Wheat Malt | 3 kg (42.9%) | 83 % | 5 |
| Grain | Platki owsiane | 1 kg (14.3%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 25 g | 70 min | 10 % |
| Boil | Oktawia | 20 g | 15 min | 7.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------------|-------|------|--------|------------|
| Gozdawa Classic Belgian Witbier | Wheat | Dry | 11 g | Gozdawa |

Extras

| Type | Name | Amount | Use for | Time |
|-------|----------|--------|---------|--------|
| Spice | Kolendra | 20 g | Boil | 10 min |

| | | | | |
|-------|-----------------|------|------|--------|
| Spice | Zest pomarańczy | 40 g | Boil | 10 min |
|-------|-----------------|------|------|--------|