

# Witbier

- Gravity **11.4 BLG**
- ABV ---
- IBU **17**
- SRM **3.6**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18 liter(s)**

## Steps

- Temp **50 C**, Time **10 min**
- Temp **65 C**, Time **40 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **14 liter(s)** of strike water to **54.3C**
- Add grains
- Keep mash **10 min** at **50C**
- Keep mash **40 min** at **65C**
- Keep mash **25 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name              | Amount         | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Pilzneński        | 2.5 kg (62.5%) | 81 %  | 4   |
| Grain | Pszeniczny        | 0.5 kg (12.5%) | 85 %  | 4   |
| Grain | Płatki pszeniczne | 0.5 kg (12.5%) | 85 %  | 3   |
| Grain | Płatki owsiane    | 0.5 kg (12.5%) | 85 %  | 3   |

## Hops

| Use for             | Name              | Amount | Time   | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil                | Lublin (Lubelski) | 30 g   | 60 min | 3.6 %      |
| Aroma (end of boil) | Lublin (Lubelski) | 20 g   | 10 min | 3.6 %      |

## Yeasts

| Name    | Type  | Form | Amount | Laboratory |
|---------|-------|------|--------|------------|
| Blanche | Wheat | Dry  | 12 g   | Brewferm   |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |          |      |      |        |
|--------|----------|------|------|--------|
| Flavor | Curacao  | 10 g | Boil | 15 min |
| Flavor | kolendra | 10 g | Boil | 15 min |
| Flavor | Curacao  | 10 g | Boil | 5 min  |
| Flavor | kolendra | 10 g | Boil | 5 min  |