

## Witek 2

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- Gravity **11.4 BLG**
- ABV ---
- IBU **14**
- SRM **3.2**
- Style **Witbier**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.6 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

### Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

### Mash step by step

- Heat up **12 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **0 min** at **78C**
- Sparge using **19.6 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Strzegom Pilzniejszy | 2 kg (50%)     | 80 %  | 4   |
| Grain | Płatki owsiane       | 0.5 kg (12.5%) | 85 %  | 3   |
| Grain | Pszeniczny           | 1 kg (25%)     | 85 %  | 4   |
| Grain | Płatki orkiszowe     | 0.5 kg (12.5%) | 80 %  | 4   |

### Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Lublin (Lubelski) | 15 g   | 60 min | 4 %        |
| Boil    | Lublin (Lubelski) | 15 g   | 30 min | 4 %        |
| Boil    | Lublin (Lubelski) | 15 g   | 5 min  | 4 %        |

### Yeasts

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

### Extras

| Type  | Name     | Amount | Use for | Time   |
|-------|----------|--------|---------|--------|
| Spice | kolendra | 15 g   | Boil    | 10 min |
| Spice | curacao  | 10 g   | Boil    | 10 min |

|       |          |      |      |       |
|-------|----------|------|------|-------|
| Spice | kolendra | 15 g | Boil | 5 min |
| Spice | curacao  | 10 g | Boil | 5 min |