

# White Shade

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **11**
- SRM **3.2**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

## Steps

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

## Mash step by step

- Heat up **16.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

| Type    | Name                  | Amount         | Yield  | EBC |
|---------|-----------------------|----------------|--------|-----|
| Grain   | Briess - Pilsen Malt  | 2.3 kg (39.7%) | 80.5 % | 2   |
| Grain   | Pszeniczny            | 1.2 kg (20.7%) | 85 %   | 4   |
| Grain   | Płatki pszeniczne     | 1.5 kg (25.9%) | 60 %   | 3   |
| Grain   | Płatki owsiane        | 0.5 kg (8.6%)  | 60 %   | 3   |
| Adjunct | Pszenica niesłodowana | 0.2 kg (3.4%)  | 75 %   | 3   |
| Sugar   | cukier kandyzowany    | 0.1 kg (1.7%)  | --- %  | --- |

## Hops

| Use for | Name       | Amount | Time   | Alpha acid |
|---------|------------|--------|--------|------------|
| Boil    | Saaz (USA) | 30 g   | 60 min | 3.75 %     |

## Yeasts

| Name                              | Type  | Form   | Amount  | Laboratory |
|-----------------------------------|-------|--------|---------|------------|
| WLP410 - Belgian Wit II Ale Yeast | Wheat | Liquid | 11.5 ml | White Labs |

## Extras

| Type  | Name           | Amount | Use for | Time  |
|-------|----------------|--------|---------|-------|
| Spice | Skórka Curacao | 60 g   | Boil    | 5 min |
| Spice | Rumianek       | 30 g   | Boil    | 5 min |

|       |                  |      |      |       |
|-------|------------------|------|------|-------|
| Spice | Nasiona Kolendry | 30 g | Boil | 5 min |
|-------|------------------|------|------|-------|