

# Wit Kowalski

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- Gravity **11.4 BLG**
- ABV ---
- IBU **15**
- SRM **4**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **8 %**
- Size with trub loss **10.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **11 %/h**
- Boil size **13.3 liter(s)**

## Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **7.2 liter(s)**
- Total mash volume **9.6 liter(s)**

## Steps

- Temp **55 C**, Time **0 min**
- Temp **62 C**, Time **15 min**
- Temp **72 C**, Time **45 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **7.2 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **0 min** at **55C**
- Keep mash **15 min** at **62C**
- Keep mash **45 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **8.5 liter(s)** of **76C** water or to achieve **13.3 liter(s)** of wort

## Fermentables

| Type  | Name              | Amount         | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Pilzneński        | 1.4 kg (58.3%) | 81 %  | 4   |
| Grain | Pszeniczny        | 0.5 kg (20.8%) | 85 %  | 4   |
| Grain | Płatki pszeniczne | 0.5 kg (20.8%) | 85 %  | 3   |

## Hops

| Use for             | Name    | Amount | Time   | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil                | Cascade | 8 g    | 60 min | 6 %        |
| Aroma (end of boil) | Cascade | 10 g   | 7 min  | 6 %        |

## Yeasts

| Name | Type | Form  | Amount | Laboratory |
|------|------|-------|--------|------------|
| t-58 | Ale  | Slant | 100 ml | Safale     |

## Extras

| Type  | Name     | Amount | Use for | Time   |
|-------|----------|--------|---------|--------|
| Spice | kolendra | 4 g    | Boil    | 15 min |

|       |                              |     |      |        |
|-------|------------------------------|-----|------|--------|
| Spice | skórka pomarańczy<br>curacao | 5 g | Boil | 15 min |
| Spice | kolendra                     | 4 g | Boil | 5 min  |
| Spice | skórka pomarańczy<br>curacao | 5 g | Boil | 5 min  |