

# Piwo z mąki i płatków owsianych pilsner

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **67**
- SRM **4.9**
- Style **Specialty Beer**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

## Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.8 liter(s)**
- Total mash volume **14.4 liter(s)**

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński        | 1 kg (27.8%)   | 80 %  | 4   |
| Grain | Viking Pale Ale malt       | 1 kg (27.8%)   | 80 %  | 5   |
| Grain | Bestmalz Red X             | 0.2 kg (5.6%)  | 79 %  | 30  |
| Grain | Strzegom Pszeniczny        | 0.2 kg (5.6%)  | 81 %  | 6   |
| Grain | Strzegom Monachijski typ I | 0.5 kg (13.9%) | 79 %  | 16  |
| Grain | Płatki owsiane             | 0.2 kg (5.6%)  | 60 %  | 3   |
| Grain | Pszenica niesłodowana      | 0.5 kg (13.9%) | 75 %  | 3   |

## Hops

| Use for   | Name           | Amount | Time   | Alpha acid |
|-----------|----------------|--------|--------|------------|
| Boil      | Marynka        | 20 g   | 40 min | 10 %       |
| Boil      | Styrian Dragon | 20 g   | 40 min | 7.2 %      |
| Boil      | Cascade PL     | 20 g   | 40 min | 5.2 %      |
| Whirlpool | Styrian Dragon | 10 g   | 60 min | 7.2 %      |
| Whirlpool | Cascade PL     | 10 g   | 60 min | 5.2 %      |

## Yeasts

| Name                       | Type  | Form  | Amount | Laboratory |
|----------------------------|-------|-------|--------|------------|
| Gozdawa - W35 German Lager | Lager | Slant | 300 ml | Gozdawa    |

## Notes

- Surowce niesłodowe, mąka z ukraińskich pół i płatki owsiane z Lidla. Planowane Chmieleniec na zimno, fermentacja w piwnicy 12-14 stopni, zacieranie 60 at 30 min, 70 at 40 min wygrzew do 76 chmieie z poprzedniej Warki użyte na wychładzanie na aromat tutaj na goryczke  
*Mar 23, 2024, 7:10 PM*