

# Jasne pełne 12

- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **41**
- SRM **4.3**
- Style **Blonde Ale**

## 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 **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **76 C**, Time **2 min**

## Mash step by step

- Heat up **12.9 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **2 min** at **76C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount       | Yield | EBC |
|-------|---------------------|--------------|-------|-----|
| Grain | Viking Pilsner malt | 3 kg (69.8%) | 82 %  | 4   |
| Grain | Viking Vienna Malt  | 1 kg (23.3%) | 79 %  | 7   |
| Grain | Strzegom Karmel 30  | 0.3 kg (7%)  | 75 %  | 30  |

## Hops

| Use for             | Name              | Amount | Time   | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil                | Marynka           | 30 g   | 60 min | 10 %       |
| Aroma (end of boil) | Lublin (Lubelski) | 30 g   | 10 min | 4 %        |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11 g   | Fermentis  |

## Extras

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | mech irlandzki | 4 g    | Boil    | 10 min |

## Notes

- Burzliwa 18-20st przez 9-12 dni. Cicha 7-10 dni w temp 12-14st.  
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Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.